ORDER NO. EMID0007014C0

A5

Service Manual

Digital Piano

SX-PC25

Colour

(K) .....Black

Areas

(P) U.S.A. Mexico

(PC) Canada

(EX) Norway, Sweden, Denmark, Finland, Spain, Portugal, Greece, South Africa

(EZ) Germany

(EG) Switzerland, France, Italy, Austria, Netherlands, Belgium

(EB) the United Kingdom

(XA) Argentina

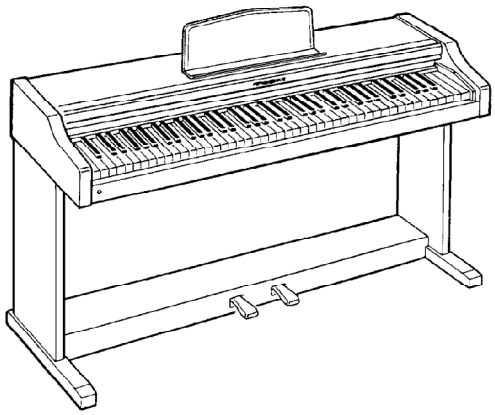
(XD) Hong Kong, Saudi Arabia, Kuwait

(XT) Taiwan

(XS) Malaysia, Singapore

(X) Thailand, Indnesia, Iran, U.A.E., Panama, Brasil, Philippines, Venezuela, Ecuador, Colombia, Chile, Peru

(GN) Australia, New Zealand



SPECIFICATIONS

SPECIFICATIONS

KEYBOARD	88 KEYS (WITH TOUCH RESPONSE)
SOUND GENERATOR	PCM
MAX. POLYPHONY	32 NOTES (16 STEREO NOTES)
SOUND	GRAND, UPRIGHT, E PIANO, HARPSI, STRINGS, PIPE ORGAN
PEDAL	SOFT, SUSTAIN
DIGITAL REVERB	O
FUNCTIONS	VOLUME, DEMO, TUNING, TRANSPOSE, TOUCH SENSITIVITY, REVERB, BASIC CHANNEL, LOCAL CONTROL
TERMINALS	PHONES × 2, MIDI (IN, OUT), AUX IN (R, L)
OUTPUT	15W × 2
SPEAKERS	12cm×2
POWER SUPPLY	75W / 50W (NORTH AMERICA AND MEXICO) / 70W (CANADA, EUROPE, AUSTRALIA AND NEW ZEALAND)
POWER CONSUMPTION	AC120/ 220/ 230-240V 50/ 60Hz AC120V 60Hz (NORTH AMERICA AND MEXICO) AC230-240V 50/ 60Hz (EUROPE, AUSTRALIA, AND NEW ZEALAND)
DIMENSIONES (W×H×D)	138.7cm×98.3cm×43.5cm (54-19/32”×38-11/16”×17-1/8”)
NET WEIGHT	39kg (86lbs)
ACCESSORIES	AC CORD, MUSIC STAND

Technics

1. WARNING

To prevent the risk of fire, smoke, or electrical shock and to ensure safe operation, please be sure to follow the safety guidelines below.

1. At places where special caution is required, the necessary safety precautions are clearly labeled or printed, for example, on the

cabinet, or on the part concerned. Please follow these safety precautions, and also those listed in the Owner'sManual.

2. Parts which have a ⚠ ; mark in the circuit diagram or in the parts list are essential for safety. When replacing these parts, be sure to useonly the specified parts.
3. Use the specified types for internal wiring (double-insulated wiring, etc.).
4. When replacing parts on the AC primary side (power transformer, electric switch, electrical cord, noise-prevention condenser, etc.), wind the lead wire and secure it by soldering.
5. Do not let the wiring come into contact with heat-emitting devices (fuse resistor, radiator plate, etc.).
6. When replacing the wiring, make sure that it is not in contact with the unfinished or rough edge of a part.
7. When replacing the power cord (except for the plug-in type), tug it from various directions to confirm that it does not slip out of place.
8. Spacing
   If soldering was done on the AC primary circuit, confirm that the interval between the soldered terminals or between the terminal and surrounding metallic parts is at least the minimum required (between the primary circuit and the chassis: atleast 6.5 mm; between primary circuit terminals: at least 4.0 mm; between primary circuit terminals and secondary circuit terminals: at least 6.5 mm.).

2. SAFETY PRECAUTION

2.1. Safety Precaution

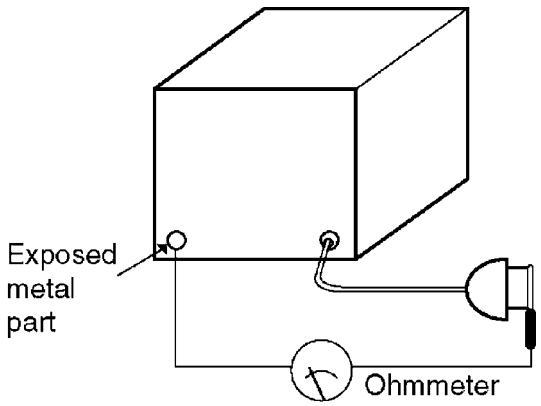
1. Before servicing, unplug the power cord to prevent an electric shock.
2. When replacing parts, use only the manufacturer’s recommended components for safety.
3. Check the condition of the power cord. Replace if wear or damage is evident.

4. **After servicing, be sure to restore the lead dress, insulation barriers, insulation papers, shields, etc.**
5. **Before returning the serviced equipment to the customer, be sure to make the following insulation resistance test to prevent the customer from being exposed to a shock hazard.**

2.2. Insulation Resistance Test

1. **Unplug the power cord and short the prongs of the plug with a jumper wire.**
2. **Turn on the power switch.**
3. **Measure the resistance value with an ohmmeter between the jumpered AC plug and each exposed metal cabinet part, such as screw heads, connectors, control shafts, handle brackets, etc. Measurements should range from 4 MOhm to infinity for allexposed parts.**

Figure-1

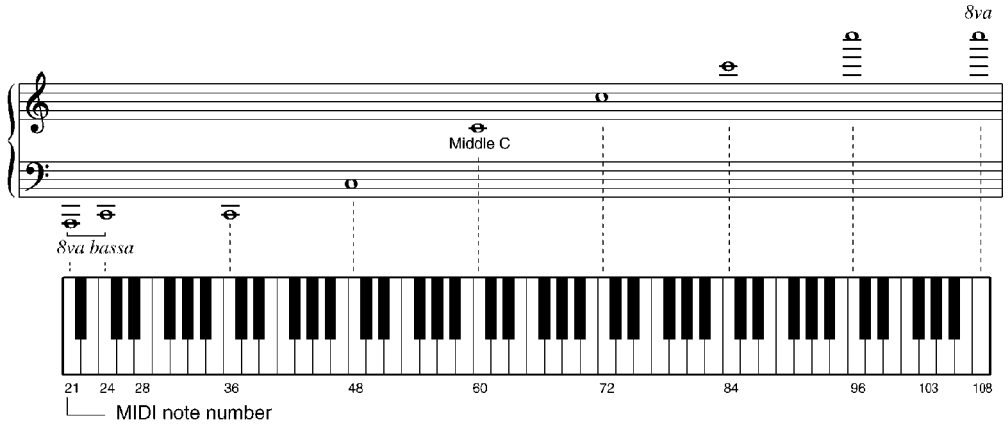


Resistance = 4MΩ to ∞

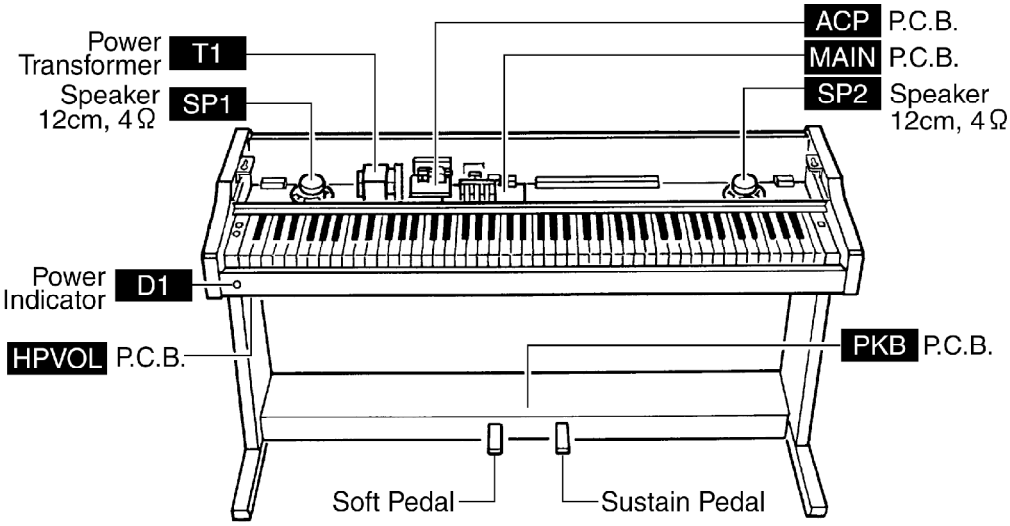
3. How to Assemble the Piano

4. Operation Manual

5. Keyboard Ranges and MIDI Note Number



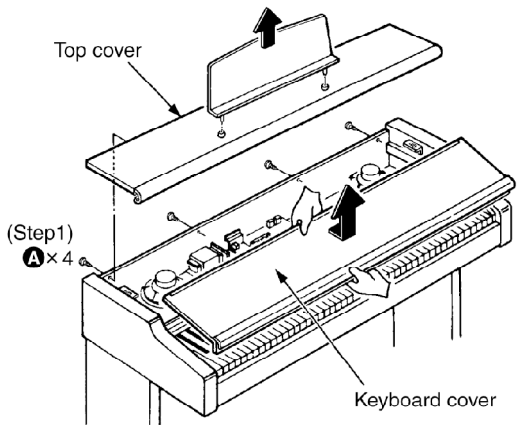
6. Parts Location



7. Disassembly Instructions

7.1. Removing the top cover and the keyboard cover

[Fig. 1]



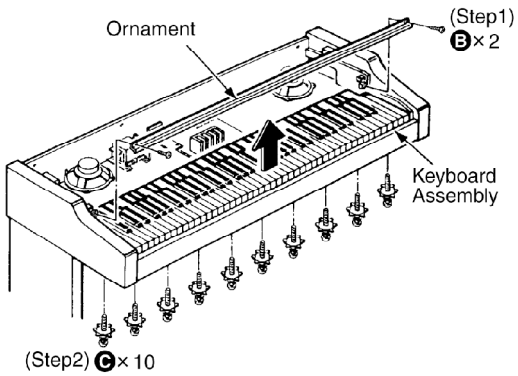
(Step2)
Remove the top cover in the direction of arrows (refer to [Fig. 1]).

(Step3)
Remove the keyboard cover in the direction of arrow (refer to [Fig. 1]).

7.2. Removing the keyboard assembly

- Follow the item 7.1.

[Fig. 2]



7.3. Disassembly and assembly of key(s)

- Follow the item 7.1.
- Follow the item 7.2.

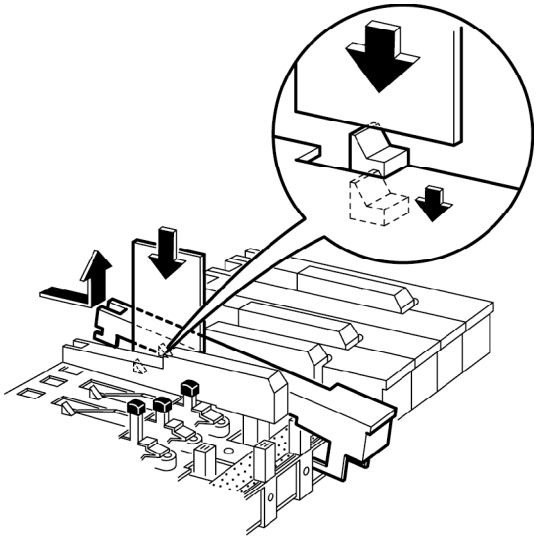
7.3.1. Disassembly

(Step1)
Insert the thin solid board between white key and black key, push the claw (refer to [Fig. 3]).

(Step2)
While pressing slightly the front of the key, push the rear of the key forward to disengage the key claw from the chassis (refer to [Fig. 3]).

(Step3)
Lift the key and remove it.

[Fig. 3]



7.3.2. Assembly

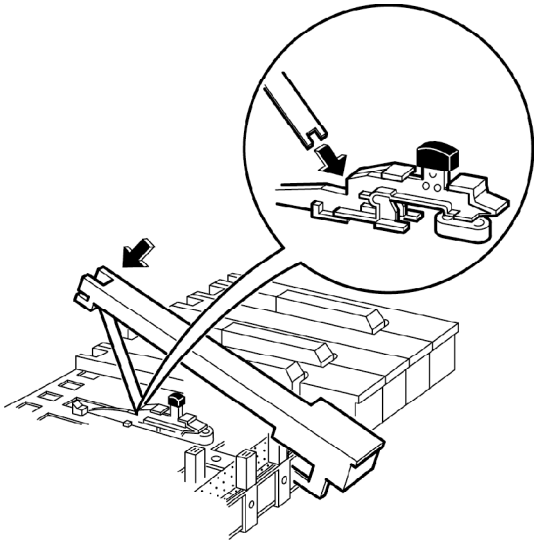
(Step1)
Insert the front part of the key into the chassis.

(Step2)
Insert the plate spring into the hammer notch (refer to [Fig. 4]).

(Step3)
While slowly lowering the key into the chassis, insert the plate spring into the notch at the rear of the key (refer to [Fig. 4]).

(Step4)
Carefully insert the key into the opening in the chassis and slide the key towards the rear to lock it in place (refer to [Fig. 4]).

[Fig. 4]

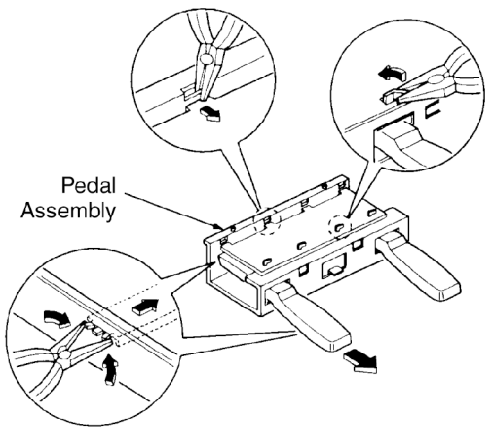


7.4. Disassembly of the pedal assembly

(Step1)
Remove the pedal assembly from the pedal box.

(Step2)
Disassemble the pedal assembly (refer to [Fig. 5])

[Fig. 5]



7.5. Removing the printed circuit boards

- Follow the item 7.1.
- Pull out the connectors on the printed circuit boards.
- ACP P.C.B.

(Step1)

Remove the 2 screws Ⓓ (refer to [Fig. 6]).

(Step2)

Remove the screw Ⓔ (refer to [Fig. 6]).

- MAIN P.C.B.

(Step1)

Remove the screw Ⓕ (refer to [Fig. 6]).

(Step2)
Release the claws of the 5 P.C.B. holders.

- HPVOL P.C.B.

(Step1)

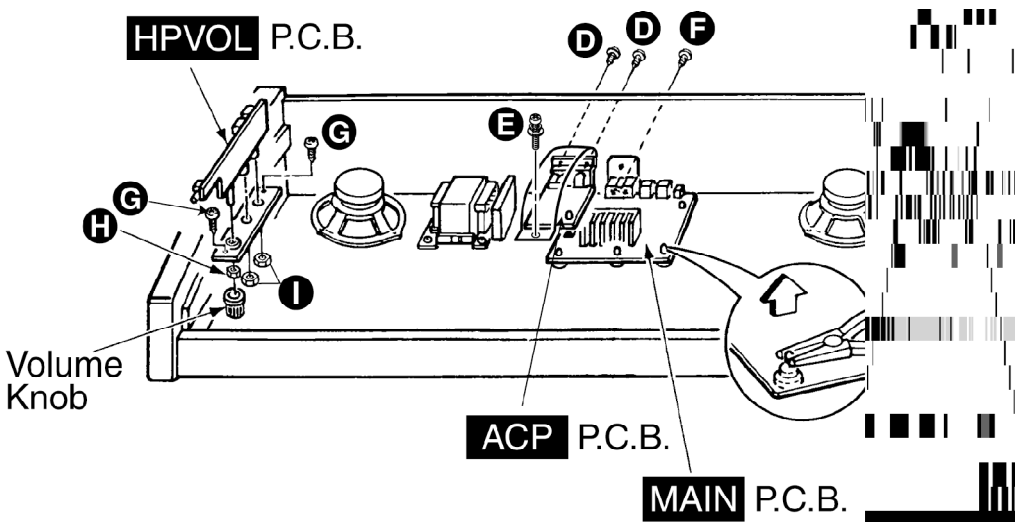
Remove the 2 screws Ⓖ (refer to [Fig. 6]).

(Step2)
Remove the volume knob.

(Step3)

Remove the nut Ⓗ ×1 and Ⓘ ×2 (refer to [Fig. 6]).

[Fig. 6]



8. Symptoms Which Appear to be Signs of Trouble

The following changes in performance may occur in the Technics Digital Ensemble but do not indicate trouble.

Phenomenon	Remedy
No sound is produced when the keyboard is played.	No sound is produced if the MAIN VOLUME is set Use the sliding control to set the volume to an ap level. If the MIDI LOCAL CONTROL is set to off, set it to
Nothing is shown on the display.	The metronome, SEQUENCER tempo, etc. are inc the display. During normal performance, howeve display is off.
Data cannot be exchanged through MIDI terminals.	The switch for the COMPUTER terminal is not se Turn off the power to this instrument and set the MIDI . Match the channels on the transmitting sideand t receiving side.
The sound quavers or is distorted.	When the COMPUTER terminal or both the MIDI II terminals are connected to a computer, dependir computer software the received data may be sen the instrumentjust as it is. Because of this the so generated from the keys and the sound generate returned data are both produced, causing undesi effects, such as the sounds canceling each other example. In this case, either change thesoftware to prevent received data from being returned, or MIDI LOCAL CONTROL to off.

■ **About the backup memory**

The selected sound and various functions, MIDI settings and SEQUENCER contents remain in the memory for about one week after the POWER is turned off.

- The backup memory will not function until the POWER has been on for about 10minutes.

- If you wish to return all memories and settings to their initialized status, while pressing the MODE SET button, press the INITIAL key on the keyboard. Or you can turn on the POWER while pressing the INITIAL key.

- When the POWER is turned on, the MIDI LOCAL CONTROL is set to on.

9. MIDI Impremention Chart

10. PRECAUTIONS BEFORE SERVICING

10.1. Precautions for measuring of the output waveforms

1. The waveform was measured with a “National Digital Storage

Oscilloscope VP-5730A". Therefore the waveforms of musical tone signals shown may differ somewhat due to the difference in the timing of triggering.

2. **Since the 1/10 test probe is used, the indicated voltage value on the bottom part of each waveform illustration is 1/10 of the actual value (e.g. 0.2 V/cm should be 2.0 V/cm).**
3. **To measure the waveforms, first set this unit to the service diagnostic mode (refer to "WAVE ROM test"). The WAVE ROM output will then be output as a sine wave to facilitate the servicing check.**

10.2. Important safety notice

- Components identified by a ⚠ mark have special characteristics impotant for safety.

- When replacing any of these components, use only manufacture's specified parts.

10.3. Symbolic Marks

The symbolic marks for resistors and capacitors which used in this circuits are classified as following Table-1 and Table-2 .

10.3.1. RESISTORS

- Resistors without symbolic mark are FIXED CARBON FILM RESISTORS (ERD-type).

- All resistors are 1/4 WATT, ±5 % TOLERANCE unless otherwise designated in schematic diagrams.

Table-1

SYMBOL	SPECIFICATION
F	Fixed Carbon Film Resistors “FLAME-PROOF” (ERD—F—type)
F	Fixed Wire Wound Resistors “FLAME-PROOF” (ERF—type)
F	Fixed Metal Oxide Film Resistors “FLAME-PROOF” (ERG—type)
F	Fixed Metal Film Resistors “FLAME-PROOF” (ERX—type)
G	Fixed Metal Film Resistors (Precision and High Stability) (ERO—type)
F	Fuse Type Fixed Metal Oxide Film Resistors “FLAME-PROOF” (ERQ—type)
F	Fuse Type Fixed Carbon Film Resistors “FLAME-PROOF” (ERD2FC—type)

10.3.2. CAPACITORS

- Capacitors without symbolic mark are POLYESTER CAPACITORS. (ECQM-type, ECQG-type, ±10% Tolerance)

- Polarized capacitors without symbolic mark are Aluminum Electrolytic Capapcitors. (ECEA-type, ±20% Tolerance)

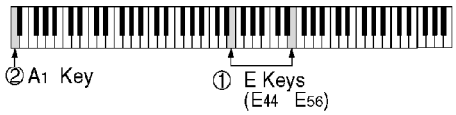
Table-2

SYMBOL	SPECIFICATION	TYPE
	Non-Polarized Electrolytic Capacitors	ECEA_KN_type
	Non-Polarized Electrolytic (for Network system)	ECEA_Y_type
	Tantalum Solid Electrolytic Capacitors	ECS_type
	Metalized Plastic Film Capacitors (TF Series)	ECQV_type
	Temperature Compensating Ceramic Capacitors	ECC_type
	High-Dielecytric Constant Ceramic Capacitors	ECK_type ECR_type
	Axial Lead Ceramic Capacitors	ECB_type
	Metalized Polyester Film Capacitors for Across the Line	ECQ_EW_type
	Aluminum Electrolytic Capacitors for Smoothing Circuit	ECES_type
	Multilayer Ceramic Chip Capacitors	ECUV_type

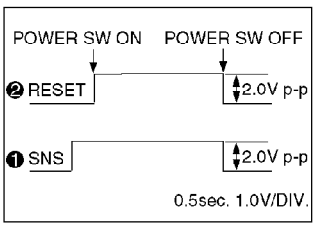
11. Measuring Condition

Check point ❸-⓭ (Refer to "13 Printed Circuit Board Diagram".)
Set to the self-diagnostic mode followings.

- While pressing two E keys (①) simultaneousuly, turn on the power switch.
- Main Volume ..... MAX
- Keyboard ..... A_1 (②

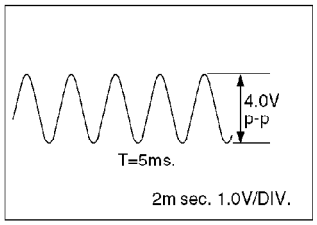


❶ SNS, ❷ RESET

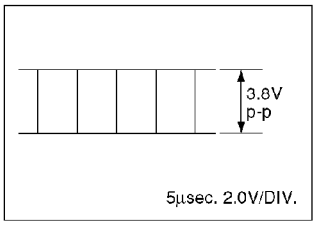


• Power SW ..... ON - OFF

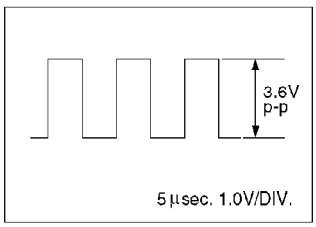
❸



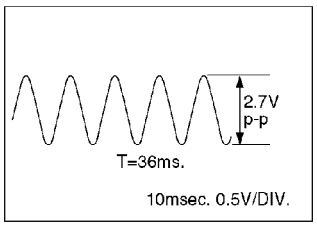
❹



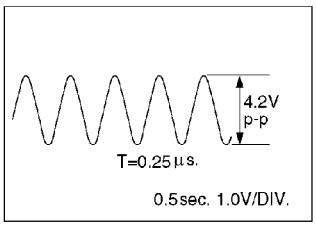
❺, ❻



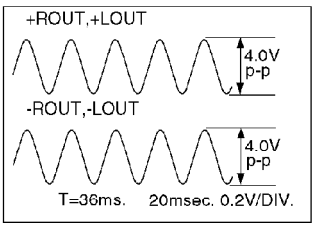
❼, ❽



❾



❿ SUML , ⓫ SUMR
⓬ SUML , ⓭ SUMR



12. Schematic Diagram

13. Printed Circuit Board Diagram

14. Block Diagram

15. Wiring Connection Diagram

16. Replacement Parts List

Notes:

***Important safety notice: / Components identified by ⚠ mark have special characteristics important for safety. / Funrthermore, special parts which have purposes of fire-retardant (resistors), high-quality sound (capacitors),low-noise (resistors), etc. are used. / When replacing any of components, be sure to use only manufacture's specified parts shown in the parts list.**
***Capacity values are in microfarads (uF) unless specified otherwise, P=Pico-farads (pF) F=Farads (F) / *Resistance values are in ohms, unless specified otherwise, 1K=1,000 (OHM), 1M=1,000K (OHM)**
***The marking <RTL> indicates that the Retention Time is limited for this item. After the discontinuation of this assembly in production, the item will continue to be available for a specific period of time. The retentionperiod of availability is dependant on the type of assembly , and in accordance with the laws governing part and product retention. After the end of this period, the assembly will no longer be available.**
***Since SW consists of buttons and P.C.B.s, we do not supply it as an individual part (refer to "17. Cabiner Parts Location " and "18. Manual Keyboard Parts Location".).**
***"<IA>","<IB>", marks in Remarks indicate languages of instruction manuals. [<IA> : American English, <IB> : English / German / French / Spanish / Netherlands / Danish]**
***[SPC] in Remarks columns parts that are supplied by S.P.C..**

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
1	QGKG0159AA	ORNAMENT	1	[SPC]
2	QMFG1276AA	FELT	1	[SPC]
3	QMFG1067AA	FELT	2	[SPC]
6	K2AA2G000003	AC INLET COVER	1	(X,XA,EX,EZ,EB,EG,EF,XD) [SPC] ⚠
6	K2AA2G000003	AC INLET COVER	1	(XT,XS,GN,EG,XD) [SPC] ⚠
6	SJS9334A	AC IN SOKET	1	(P,PC) [SPC] ⚠
8	QQLG147AA	HEADPHONE LABEL	1	[SPC]
9	QLZG021A	CORE	1	(P,PC) [SPC]
11	QMFG1269AA	FELT	2	[SPC]
12	QKSGG022AA	KEYBOARD COVER GUIDE(L)	1	[SPC]
13	QKSGG023AA	KEYBOARD COVER GUIDE(R)	1	[SPC]
14	QYKG274AA	CABINET ASS'Y	1	(P,PC,EX,EB,EG,X) [SPC]
14	QYKG274AA	CABINET ASS'Y	1	(GN,XS,XT,XD,XA) [SPC]
14	QYKG274AAZ	CABINET ASS'Y	1	(EZ) [SPC]
15	SBNG4010A	VOLUME KNOB	1	[SPC]
16	QYAG2011AB	MUSIC STAND ASS'Y	1	[SPC]
17	QKQGA146AA	TOP COVER ASS'Y	1	(P,PC,EX,EB,EG,X) [SPC]
17	QKQGA146AA	TOP COVER ASS'Y	1	(GN,XS,XT,XD,XA) [SPC]
17	QKQGA146AAZ	TOP COVER ASS'Y	1	(EZ)
17-1	QMRG7021AB	SLEEVE	2	[SPC]
17-2	QMFG1221AA	CUSHION	4	[SPC]
17-3	QMFG1224AA	FELT	3	[SPC]
17-4	QGKG0150AA	ORNAMENT	1	[SPC]
17-5	XTT4+10A	SCREW	6	[SPC]
17-6	SGBG160B	BADGE	1	[SPC]
17-7	XTC35+25AFZ	SCREW	2	[SPC]
18	QKQGF023BAZ	KEYBOARD COVER ASS'Y	1	[SPC]
18-1	QGKG0133AA	ORNAMENT	1	[SPC]
18-2	QMRG2054AA	KEYBOARD COVER SIDE TAPE	2	[SPC]
18-3	QMFG1223BA	FELT	3	[SPC]

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
18-4	QMRG7031EC	PROTECTOR	1	[SPC]
18-5	QMRG7032EC	PROTECTOR	1	[SPC]
18-6	QGKG0135AA	ORNAMENT	1	[SPC]
18-7	XTB3+6A	SCREW	12	[SPC]
20	QMFG1026AA	FELT	2	[SPC]
30	QKQGP029AAZK	LEFT PLANK ASS'Y	1	[SPC]
31	SHRG9620A	CRAMPER	1	[SPC]
32	QKQGD101AA	CROSSBOARD	1	[SPC]
33	QKQGP030AAZK	RIGHT PLANK ASS'Y	1	[SPC]
34	SNEG1760A	CAP	8	[SPC]
35	QKQGM114AAZ	PEDAL BOX ASS'Y	1	[SPC]
35-1	QGKG0113AA	ORNAMENT	2	[SPC]
36	QKAG0012AA	FOOT	1	[SPC]
37	QMBG009AA	SPRING	2	[SPC]
38	QMFG1133AA	FELT	2	[SPC]
39	QMFG1134AA	FELT	2	[SPC]
40	QMWG4002AA	PEDAL	2	[SPC]
41	QMFG1135AA	FELT	2	[SPC]
42	XNS12	NUT	2	[SPC]
43	XNS9	NUT	1	[SPC]
44	SNEG2660A	SCREW	2	[SPC]
46	XTT4+14A	SCREW	2	[SPC]
47	XYN4+F16FZ	SCREW	2	[SPC]
49	XYN4+F16	SCREW	4	[SPC]
50	XTW3+10TFZ	SCREW	3	[SPC]
51	XTB35+12AFZ	SCREW	3	[SPC]
52	XYA35+JA12	SCREW	7	(P,PC) [SPC]
52	XYA35+JA12	SCREW	6	(XS,XT,XD,XA) [SPC]
52	XYA35+JA12	SCREW	6	(EX,EB,EZ,EG,X,GN) [SPC]
53	SNEG1721A	SCREW	4	[SPC]
54	XTT4+25A	SCREW	6	[SPC]
55	XTT4+16A	SCREW	8	[SPC]
56	QHWG007AA	SCREW	2	[SPC]
57	XTT4+10AFZ	SCREW	2	[SPC]
58	QHDG021AA	SCREW	10	[SPC]
60	XTT4+20AFZ	SCREW	4	[SPC]
61	XTW3+16J	SCREW	1	[SPC]
62	QHDG016AB	SCREW WITH WASHER	4	[SPC]
63	SNEG1820B	SCREW	4	[SPC]
64	XTB35+16A	SCREW	12	[SPC]
65	XTB3+10GFZ	SCREW	1	[SPC]
66	XTW3+10J	SCREW	2	[SPC]
67	XTV3+10C	SCREW	3	[SPC]
101	QGUG1458AAK	BUTTON	2	[SPC]
105	QMWG1041AA	WHITE KEY(FIRST OCT A KEY	1	[SPC]
106	QMWG1042AA	WHITE KEY(B KEY)	8	[SPC]
107	QMWG1043AA	WHITE KEY(C KEY)	7	[SPC]
108	QMWG1044AA	WHITE KEY(D KEY)	7	[SPC]
109	QMWG1045AA	WHITE KEY(E KEY)	7	[SPC]
110	QMWG1046AA	WHITE KEY(F KEY)	7	[SPC]
111	QMWG1047AA	WHITE KEY(G KEY)	7	[SPC]
112	QMWG1048AA	WHITE KEY(A KEY)	7	[SPC]
113	QMWG1049AA	WHITE KEY(TOP OCTAVE C)	1	[SPC]
114	QMWG2006AA	BLACK KEY	36	[SPC]

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
115	QMWG6021AA	RUBBER SWITCH	1	[SPC]
116	QMWG6020AA	RUBBER SWITCH	7	[SPC]
117	QMWG8038AA	HAMMER SUPPORT(WHITE KEY)	52	[SPC]
118	QMWG8039AA	HAMMER SUPPORT(BLACK KEY)	36	[SPC]
119	QMWG8040AA	FUL CU RUM(12 PCS,ON ONE)	7	[SPC]
120	QMWG8041AA	FUL CU RUM(4 PCS,ON ONE)	1	[SPC]
121	QMWG8045AA	KEY GUIDE	88	[SPC]
122	QMWG9025AA	HAMMER(WHITE KEY)	12	[SPC]
123	QMWG9025AB	HAMMER(WHITE KEY)	19	[SPC]
124	QMWG9025AC	HAMMER(WHITE KEY)	11	[SPC]
125	QMWG9025AD	HAMMER(WHITE KEY)	10	[SPC]
126	QMWG9027AA	HAMMER(BLACK KEY)	8	[SPC]
127	QMWG9027AB	HAMMER(BLACK KEY)	14	[SPC]
128	QMWG9027AC	HAMMER(BLACK KEY)	7	[SPC]
129	QMWG9027AD	HAMMER(BLACK KEY)	7	[SPC]
130	QGPG0140AC	END COVER PANEL(L)	1	[SPC]
131	QMFG1104AA	FELT	2	[SPC]
132	XTV3+12G	SCREW	4	[SPC]
133	QGPG0138AD	END COVER PANEL(R)	1	[SPC]
134	QGUG1040AA	BUTTON,POWER	1	[SPC]
135	QMCG011BA	SPRING	88	[SPC]
136	QMGG060AA	RUBBER CAP(HAMMER)	88	[SPC]
137	XTV3+20JFZ	SCREW	2	[SPC]
138	XTW3+10T	SCREW	16	[SPC]
139	QMFG1267BA	FELT	2	[SPC]
140	QMFG1268BA	FELT	2	[SPC]
141	QMFG1266BA	FELT	4	[SPC]
142	QMFG1265AA	FELT	2	[SPC]
A1	QJAG025AA	AC CORD	1	(P,PC) [SPC] ⚠
A1	QJAG027AA	AC CORD	1	(X,EX,EZ,EG,EF,XT,XS) [SPC] ⚠
A1	QJAG028AA	AC CORD	1	(EB,XD) [SPC] ⚠
A1	QJAG029AA	AC CORD	1	(GN) [SPC] ⚠
A1	QJAG031AA	AC CORD	1	(XA) [SPC] ⚠
A2	QQFGPC25AA	FAN BAG	1	(P)<IA> [SPC]
A2	QQFGPC25BA	FAN BAG	1	(PC,EX,EB,EG,X,GN)<IB> [SPC]
A2	QQFGPC25CA	FAN BAG	1	(EZ)<IB> [SPC]
A2	QQFGPC25BA	FAN BAG	1	(XA,XS,XT,XD)<IB> [SPC]
A3	SJP5213-2	PLUG ADAPTOR	1	(X,XT) [SPC] ⚠
C1	ECQB1H473JF3	50V 0.047U	1	HPVOL [SPC]
C1	ECRF1H104ZF	25V 0.1U	1	PKB [SPC]
C1	ECRF1H104ZF	25V 0.1U	1	MKB1 [SPC]
C2	ECEA0JKA470	6.3V 47U	1	MKB1 [SPC]
C2	ECQB1H473JF3	50V 0.047U	1	HPVOL [SPC]
C3	ECQG1H222KZ	50V 0.0022U	1	MAIN [SPC]
C3	ECRF1H104ZF	25V 0.1U	1	MKB1 [SPC]
C3	ECRR1H104ZF	50V 0.1P	1	HPVOL [SPC]
C4	ECQG1H222KZ	50V 0.0022U	1	MAIN [SPC]
C4	ECRF1H104ZF	25V 0.1U	1	MKB1 [SPC]

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C4	ECRR1H104ZF	50V 0.1P	1	HPVOL [SPC]
C5	ECKCVA1472MF	4.7U	1	ACP [SPC]
C5	ECRF1H104ZF	25V 0.1U	1	MKB2 [SPC]
C5	ECUV1H471JG	50V 470P	1	MAIN [SPC]
C6	ECQU2A104MN	250V 0.1U	1	ACP [SPC]
C6	ECRF1H104ZF	25V 0.1U	1	MKB2 [SPC]
C6,C7	ECUV1H104ZFX	50V 0.1U	2	MAIN [SPC]
C9	ECUV1H104ZFX	50V 0.1U	1	MAIN [SPC]
C10	ECUV1H221JG	50V 220U	1	MAIN [SPC]
C11	ECA1EM682E	25V 6800U	1	MAIN [SPC]
C12,13	ECUV1H471JG	50V 470P	2	MAIN [SPC]
C14	ECRR1H104ZF	50V 0.1P	1	MAIN [SPC]
C15	ECUV1H104ZFX	50V 0.1U	1	MAIN [SPC]
C17-19	ECUV1H104ZFX	50V 0.1U	3	MAIN [SPC]
C20	ECA1CM331	16V 330PF	1	MAIN [SPC]
C21	ECUV1H104ZFX	50V 0.1U	1	MAIN [SPC]
C22	ECUV1H101JG	50V 100P	1	MAIN [SPC]
C23	ECUV1H104ZFX	50V 0.1U	1	MAIN [SPC]
C24	ECUV1H102JX	50V 0.01U	1	MAIN [SPC]
C25	ECUV1H104ZFX	50V 0.1U	1	MAIN [SPC]
C26	ECA1EM102E	25V 1000U	1	MAIN [SPC]
C27	ECA1CM221B	16V 220U	1	MAIN [SPC]
C28,29	ECUV1H104ZFX	50V 0.1U	2	MAIN [SPC]
C30	ECUV1H101JG	50V 100P	1	MAIN [SPC]
C31	ECUV1H102JX	50V 0.01U	1	MAIN [SPC]
C32	ECA1CM102B	16V 1000	1	MAIN [SPC]
C34,35	ECUV1H104ZFX	50V 0.1U	2	MAIN [SPC]
C37	ECUV1H104ZFX	50V 0.1U	1	MAIN [SPC]
C39	ECUV1H101JG	50V 100P	1	MAIN [SPC]
C40-46	ECUV1H104ZFX	50V 0.1U	7	MAIN [SPC]
C47	ECEA1HKN010	50V 1U	1	MAIN [SPC]
C49	ECEA1HKN010	50V 1U	1	MAIN [SPC]
C51-56	ECUV1H104ZFX	50V 0.1U	6	MAIN [SPC]
C57	ECEA0JKA470	6.3V 47U	1	MAIN [SPC]
C58,59	ECUV1H101JG	50V 100P	2	MAIN [SPC]
C60	ECUV1H104ZFX	50V 0.1U	1	MAIN [SPC]
C61,62	ECA1CM101B	16V 100U	2	MAIN [SPC]
C63,64	ECQG1H222KZ	50V 0.0022U	2	MAIN [SPC]
C65,66	ECQV1H104JM	50V 0.1U	2	MAIN [SPC]
C67	ECQG1H222KZ	50V 0.0022U	1	MAIN [SPC]
C68	ECQB1H473JF3	50V 0.047U	1	MAIN [SPC]
C69	ECQG1H222KZ	50V 0.0022U	1	MAIN [SPC]
C70	ECQB1H473JF3	50V 0.047U	1	MAIN [SPC]
C71,72	ECQB1H223JF	50V 0.022U	2	MAIN [SPC]
C73	ECRR1H104ZF	50V 0.1P	1	MAIN [SPC]
C74,75	ECEA1HKAR47B	50V 0.47U	2	MAIN [SPC]
C80	ECRR1H104ZF	50V 0.1P	1	MAIN [SPC]
C83	ECUV1H104ZFX	50V 0.1U	1	MAIN [SPC]
C84	ECEA1CKA100	16V 10	1	MAIN [SPC]
C85	ECUV1H104ZFX	50V 0.1U	1	MAIN [SPC]
C86	ECRR1H104ZF	50V 0.1P	1	MAIN [SPC]
C87	ECEA1HKA010	50V 1U	1	MAIN [SPC]
C88	ECEA0JKA101	6V 100	1	MAIN [SPC]
C89	ECEA1CKA100	16V 10	1	MAIN [SPC]

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C91	ECEA1CKA100	16V 10	1	MAIN [SPC]
C92,93	ECUV1H104ZFX	50V 0.1U	2	MAIN [SPC]
C95-100	ECUV1H104ZFX	50V 0.1U	6	MAIN [SPC]
C101,02	ECEA1HKA010	50V 1U	2	MAIN [SPC]
C103,04	ECQV1H104JM	50V 0.1U	2	MAIN [SPC]
C105,06	ECUV1H102JX	50V 0.01U	2	MAIN [SPC]
C107	ECQV1H104JM	50V 0.1U	1	MAIN [SPC]
C108	ECUV1H104ZFX	50V 0.01U	1	MAIN [SPC]
C109	ECQV1H104JM	50V 0.1U	1	MAIN [SPC]
C110-12	ECUV1H101JG	50V 100P	3	MAIN [SPC]
C116,17	ECUV1H101JG	50V 100P	2	MAIN [SPC]
C118,19	ECUV1H104ZFX	50V 0.1U	2	MAIN [SPC]
C122,23	ECUV1H104ZFX	50V 0.1U	2	MAIN [SPC]
C125	ECUV1H104ZFX	50V 0.1U	1	MAIN [SPC]
CN1	SJPG1JS050A	CONNECTOR(5P)	1	SW [SPC]
CN1	SJPG2JS080A	CONNECTOR(8P)	1	HPVOL [SPC]
CN1	SJPG7JS030A	CONNECTOR(3P)	1	MAIN [SPC]
CN2	QJUG00703AA	CONNECTOR(3P)	1	HPVOL [SPC]
CN3	SJPG1JS050A	CONNECTOR(5P)	1	MAIN [SPC]
CN3	SJPG1JS160A	CONNECTOR(16P)	1	MKB1 [SPC]
CN3	SJPG7JS020A	CONNECTOR(2P)	1	ACP [SPC]
CN4	QJTG01812AA	CONNECTOR(12P)	1	MKB2 [SPC]
CN4	SJPG1JS160A	CONNECTOR(16P)	1	MAIN [SPC]
CN4	SJPG7JS040A	CONNECTOR(4P)	1	ACP [SPC]
CN5	SJPG1JS080A	CONNECTOR(8P)	1	MAIN [SPC]
CN6	SJPG1310A	CONNECTOR(4P)	1	MAIN [SPC]
CN7	QEUGQ8H08BCZ	CONNECTOR(8P)	1	MKB2 [SPC]
CN9	QJUG01408AA	CONNECTOR(8P)	1	MKB1 [SPC]
D1	LN282RPXVTX3	LED	1	SW [SPC]
D1	MA111TX	DIODE	1	MAIN [SPC]
D1	MA165	DIODE	1	MKB1 [SPC]
D1	SEL4214RLC05	LED	1	HPVOL [SPC]
D2	ERA1502V5	DIODE	1	MAIN [SPC]
D2	MA165	DIODE	1	MKB1 [SPC]
D3	ERA1502V5	DIODE	1	MAIN [SPC]
D3,D4	MA165	DIODE	2	MKB1 [SPC]
D4	SVDGS3V20-15	DIODE	1	MAIN [SPC]
D5	MA165	DIODE	1	MKB1 [SPC]
D5	SVDGS3V20-15	DIODE	1	MAIN [SPC]
D6	MA165	DIODE	1	MKB1 [SPC]
D6	SVDGS3V20-15	DIODE	1	MAIN [SPC]
D7	MA165	DIODE	1	MKB1 [SPC]
D7	SVDGS3V20-15	DIODE	1	MAIN [SPC]
D8	MA111TX	DIODE	1	MAIN [SPC]
D8	MA165	DIODE	1	MKB1 [SPC]
D9	MA111TX	DIODE	1	MAIN [SPC]
D9,10	MA165	DIODE	2	MKB1 [SPC]
D10	MA2062LF	DIODE	1	MAIN [SPC]
D11	MA111TX	DIODE	1	MAIN [SPC]
D11,12	MA165	DIODE	2	MKB1 [SPC]
D12	MA8030LTX	DIODE	1	MAIN [SPC]
D13	MA165	DIODE	1	MKB1 [SPC]

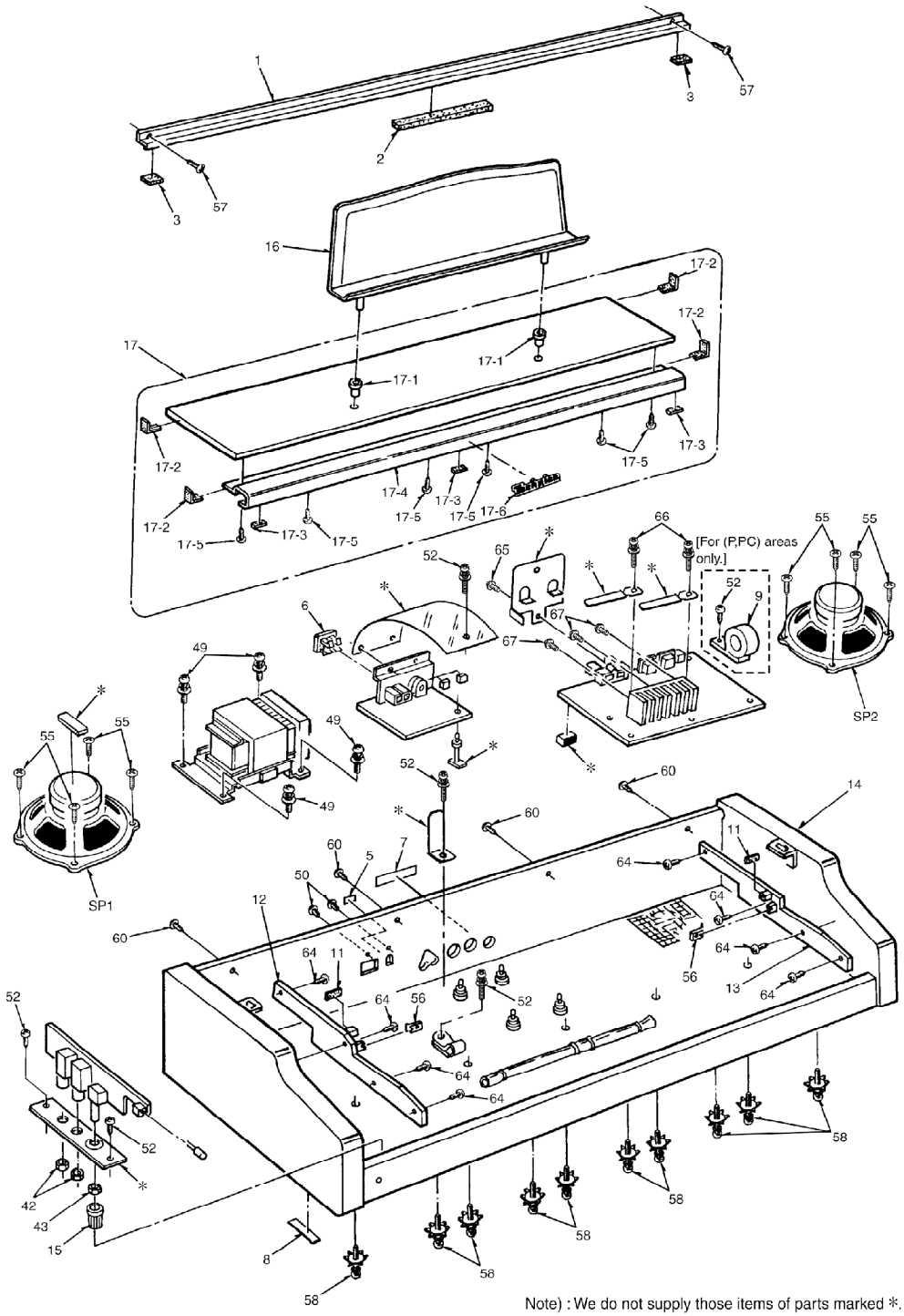
Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
D13	MA8033H	DIODE	1	MAIN [SPC]
D14	MA111TX	DIODE	1	MAIN [SPC]
D14	MA165	DIODE	1	MKB1 [SPC]
D15	MA111TX	DIODE	1	MAIN [SPC]
D15	MA165	DIODE	1	MKB1 [SPC]
D16	EK04W	DIODE	1	MAIN [SPC]
D16,17	MA165	DIODE	2	MKB1 [SPC]
D17	MA8051L	DIODE	1	MAIN [SPC]
D18-25	MA165	DIODE	8	MKB1 [SPC]
D18-25	MA111TX	DIODE	8	MAIN [SPC]
D26	MA111TX	DIODE	1	MAIN [SPC]
D26-88	MA165	DIODE	63	MKB1 [SPC]
D89-176	MA165	DIODE	88	MKB2 [SPC]
F1	XBA1C25NU100	FUSE,2.5A	1	ACP(P,PC) [SPC] ⚠
F1	XBA2C12TB0	FUSE,T1.25A	1	ACP(X,XS,XT) [SPC] ⚠
F1	XBA2C12TB0	FUSE,T1.25A	1	ACP(XD,XA) [SPC] ⚠
F2	XBA2C06TB0	FUSE,T630MA	1	ACP(X,XS,XT,XD,XA) [SPC] ⚠
F3	XBA2C06TB0	FUSE,T630MA	1	ACP(EB,EX,EZ,EG,GN) [SPC] ⚠
IC1	QCPL-260L	IC	1	MAIN [SPC]
IC1,2	HD74LS138P	IC	2	MKB1 [SPC]
IC2	T93CU44F1B17	IC	1	MAIN [SPC]
IC3	D97315GD201	IC	1	MAIN [SPC]
IC2,3	HD74LS138P	IC	2	MKB2 [SPC]
IC4	M5218AL	IC	1	MAIN [SPC]
IC5	M5256DFP10VL	IC	1	MAIN [SPC]
IC6,C7	M5218AFPE3	IC	2	MAIN [SPC]
IC8	AN7194K-LD	IC	1	MAIN [SPC]
IC9	PCM1734EB	IC	1	MAIN [SPC]
IC10	QSIGX3C32003	IC	1	MAIN [SPC]
IC13	M5F7805L	IC	1	MAIN [SPC]
JK1	QJJG008AA	JACK,AUX IN R/L	1	MAIN [SPC]
JK1	SJJG100A	JACK,HEADPHONE	1	HPVOL [SPC]
JK2	QJSG007AA	JACK,PEDAL IN	1	MAIN [SPC]
JK2	SJJG100A	JACK,HEADPHONE	1	HPVOL [SPC]
JK3	QJSG016AA	JACK,MIDI IN/THRU	1	MAIN [SPC]
JK3	SJVD0203B	JACK,AC IN	1	ACP [SPC] ⚠
JK4	QJSG016AA	JACK,MIDI IN/THRU	1	MAIN [SPC]
L1	QLQGT3T131LA	130UH×3	1	MAIN [SPC]
L1	QLQGT3T131LA	130UH×3	1	HPVOL [SPC]
L2	QLQGT2T100LA	10UH×2	1	ACP [SPC]
L2	QLQGT3T131LA	130UH×3	1	MAIN [SPC]
L3	QLQGT1B800GA	COIL	1	MAIN [SPC]
L4-L6	QLQGT3T131LA	130UH×3	3	MAIN [SPC]
P1	QPGG0483AA	PACKING CASE	1	[SPC]
PCB1	SXPG235411	SW P.C.B.	1	(RTL) [SPC]
PCB2	SXPG235511B	HPVOL P.C.B.	1	(RTL) [SPC]
PCB3	SXPG235541A	ACP P.C.B.	1	(RTL) [SPC]

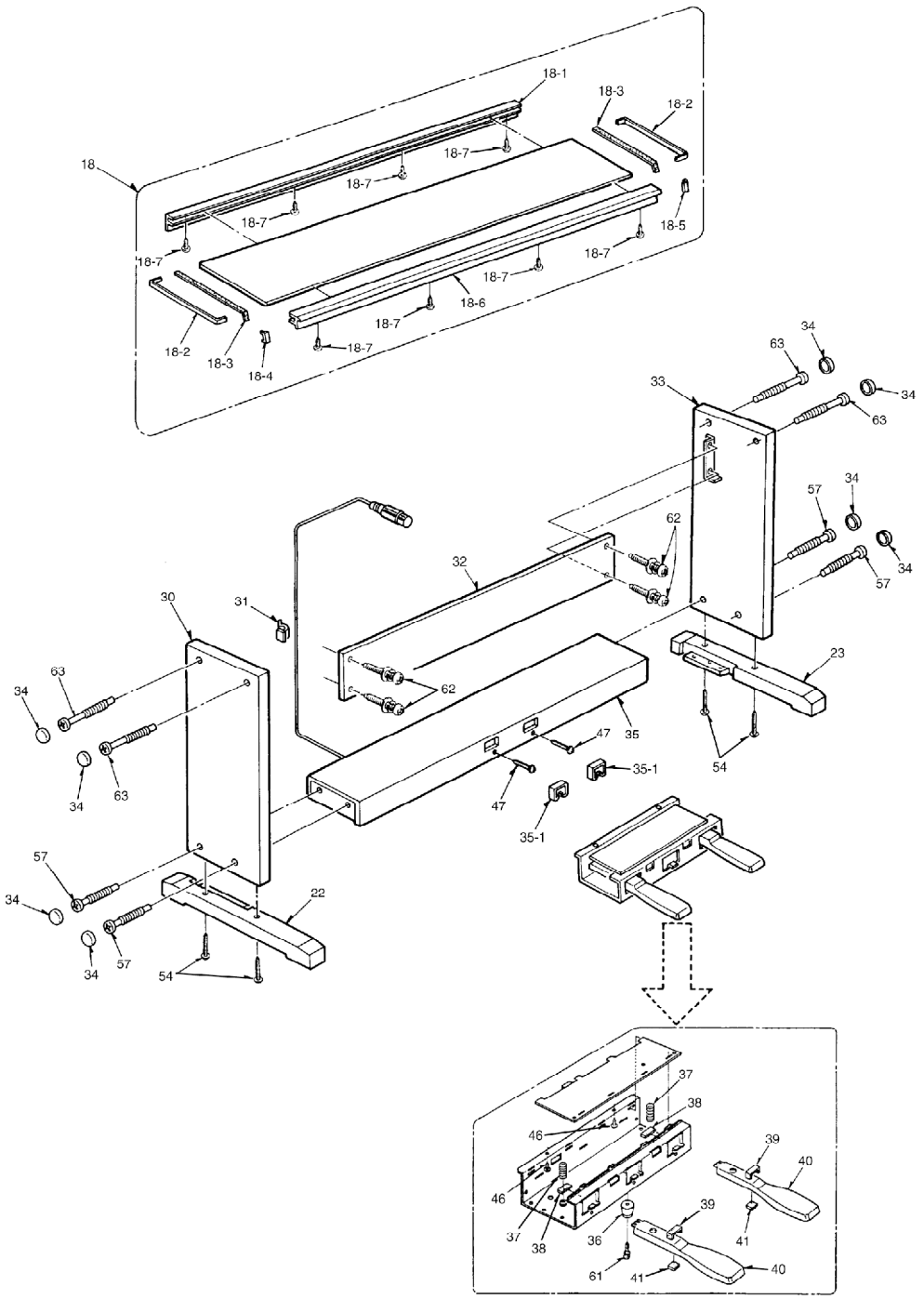
Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
PCB4	SXPG235311	MAIN P.C.B.	1	(RTL) [SPC]
PCB5	SXPG218231	PKB P.C.B.	1	(RTL) [SPC]
PCB6	SXPG231111A	MKB1 P.C.B.	1	(RTL) [SPC]
PCB7	SXPG231111B	MKB2 P.C.B.	1	(RTL) [SPC]
PCB8	SXPG235511A	ACP P.C.B.	1	(RTL)(X,XS,XT,XD,XA) [SPC]
PCB8	SXPG235521A	ACP P.C.B.	1	(RTL)(P,PC) [SPC]
PCB8	SXPG235531A	ACP P.C.B.	1	(RTL)(EX,EB,EZ,EG,GN) [SPC]
Q1,Q2	2SB709AR	TRANSISTOR	2	MAIN [SPC]
Q3	2SD601AQ	TRANSISTOR	1	MAIN [SPC]
Q4	2SB709AR	TRANSISTOR	1	MAIN [SPC]
Q5	2SD601AQ	TRANSISTOR	1	MAIN [SPC]
Q6	2SC1815TPE2	TRANSISTOR	1	MAIN [SPC]
Q7	2SA1015TPE2	TRANSISTOR	1	MAIN [SPC]
Q8	2SD601AQ	TRANSISTOR	1	MAIN [SPC]
Q9	2SC1815TPE2	TRANSISTOR	1	MAIN [SPC]
Q10	2SA1015TPE2	TRANSISTOR	1	MAIN [SPC]
Q11	2SC1815TPE2	TRANSISTOR	1	MAIN [SPC]
Q12	2SA1015TPE2	TRANSISTOR	1	MAIN [SPC]
Q13	2SD601AQ	TRANSISTOR	1	MAIN [SPC]
R1	ERG1SJ100E	1W 10	1	HPVOL [SPC]
R1	ERJ6GEY0R00V	1/10W 0	1	MAIN [SPC]
R2	ERG1SJ100E	1W 10	1	HPVOL [SPC]
R2	ERJ6GEYJ101V	1/10W 100	1	MAIN [SPC]
R3	ERG1SJ100E	1W 10	1	HPVOL [SPC]
R3	ERJ6GEYJ101V	1/10W 100	1	MAIN [SPC]
R4	ERG1SJ100E	1W 10	1	HPVOL [SPC]
R4	ERJ6GEYJ471V	1/10W 470	1	MAIN [SPC]
R5	ERDS2TJ102	1/4W 1K	1	HPVOL [SPC]
R5	ERJ6GEYJ221V	1/10W 220	1	MAIN [SPC]
R6	ERJ6GEYJ104V	1/10W 100K	1	MAIN [SPC]
R7	ERJ6GEYJ103V	1/10W 10K	1	MAIN [SPC]
R8	ERDS2TJ472	1/4W 4.7K	1	PKB [SPC]
R8	ERJ6GEYJ103V	1/10W 10K	1	MAIN [SPC]
R9,10	ERDS2TJ472	1/4W 4.7K	2	PKB [SPC]
R10	ERJ6GEYJ471V	1/10W 470	1	MAIN [SPC]
R11	ERJ6GEYJ223V	1/10W 22K	1	MAIN [SPC]
R12	ERQ2CJP220S	22	1	MAIN [SPC]
R13	ERJ6GEYJ223V	1/10W 22K	1	MAIN [SPC]
R14	ERJ6GEYJ102V	1/10W 1K	1	MAIN [SPC]
R15	ERJ6GEYJ104V	1/10W 100K	1	MAIN [SPC]
R16	ERJ6GEYJ102V	1/10W 1K	1	MAIN [SPC]
R17	ERJ6GEYJ221V	1/10W 220	1	MAIN [SPC]
R18	ERJ6GEYJ102V	1/10W 1K	1	MAIN [SPC]
R19	ERJ6GEYJ331V	1/10W 330	1	MAIN [SPC]
R20	ERJ6GEYJ103V	1/10W 10K	1	MAIN [SPC]
R21	ERJ6GEYJ222V	1/10W 2.2K	1	MAIN [SPC]
R23	ERJ6GEYJ151V	1/10W 150	1	MAIN [SPC]
R24	ERJ6GEYJ104V	1/10W 100K	1	MAIN [SPC]
R25	ERD25FVJ4R7	1/4W 4.7	1	MAIN [SPC]
R26,27	ERJ6GEYJ220V	1/10W 2.2K	2	MAIN [SPC]
R28	ERJ6GEYJ103V	1/10W 10K	1	MAIN [SPC]
R29	ERJ6GEYJ101V	1/10W 100	1	MAIN [SPC]

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R30	ERJ6GEYJ681V	1/10W 680	1	MAIN [SPC]
R31	ERJ6GEYJ101V	1/10W 100	1	MAIN [SPC]
R32	ERJ6GEYJ222V	1/10W 2.2K	1	MAIN [SPC]
R33	ERJ6GEYJ103V	1/10W 10K	1	MAIN [SPC]
R35	ERJ6GEYJ221V	1/10W 220	1	MAIN [SPC]
R37	ERJ6GEY0R00V	1/10W 0	1	MAIN [SPC]
R38	ERJ6GEYJ105V	1/10W 1M	1	MAIN [SPC]
R39	ERJ6GEYJ103V	1/10W 10K	1	MAIN [SPC]
R40	ERJ6GEYJ101V	1/10W 100	1	MAIN [SPC]
R42	ERJ6GEY0R00V	1/10W 0	1	MAIN [SPC]
R43	ERJ6GEYJ822V	1/10W 8.2K	1	MAIN [SPC]
R44	ERJ6GEYJ102V	1/10W 1K	1	MAIN [SPC]
R45	ERJ6GEYJ822V	1/10W 8.2K	1	MAIN [SPC]
R46	ERJ6GEYJ471V	1/10W 470	1	MAIN [SPC]
R47,48	ERJ6GEYJ393V	1/10W 39K	2	MAIN [SPC]
R49,50	ERJ6GEYJ331V	1/10W 330	2	MAIN [SPC]
R51,52	ERJ6GEYJ220V	1/10W 22	2	MAIN [SPC]
R54	ERJ6GEY0R00V	1/10W 0	1	MAIN [SPC]
R55,56	ERJ6GEYJ333V	1/10W 33K	2	MAIN [SPC]
R57	ERJ6GEYJ222V	1/10W 2.2K	1	MAIN [SPC]
R58,59	ERJ6GEYJ472V	1/10W 4.7K	2	MAIN [SPC]
R60	ERJ6GEYJ123V	1/10W 12K	1	MAIN [SPC]
R61	ERJ6GEYJ333V	1/10W 33K	1	MAIN [SPC]
R62	ERJ6GEYJ123V	1/10W 12K	1	MAIN [SPC]
R63	ERJ6GEYJ333V	1/10W 33K	1	MAIN [SPC]
R64	ERJ6GEYJ222V	1/10W 2.2K	1	MAIN [SPC]
R65,66	ERJ6GEYJ333V	1/10W 33K	2	MAIN [SPC]
R67,68	ERJ6GEYJ153V	1/10W 15K	2	MAIN [SPC]
R69,70	ERJ6GEYJ222V	1/10W 2.2K	2	MAIN [SPC]
R71	ERJ6GEYJ152V	1/10W 1.5K	1	MAIN [SPC]
R72	ERJ6GEYJ222V	1/10W 2.2K	1	MAIN [SPC]
R73	ERJ6GEYJ152V	1/10W 1.5K	1	MAIN [SPC]
R74	ERJ6GEYJ222V	1/10W 2.2K	1	MAIN [SPC]
R75	ERJ6GEYJ105V	1/10W 1M	1	MAIN [SPC]
R76	ERJ6GEYJ331V	1/10W 330	1	MAIN [SPC]
R77	BK2125LM252T	COIL	1	MAIN [SPC]
R78,79	ERJ6GEYJ221V	1/10W 220	2	MAIN [SPC]
R80	BK2125LM252T	COIL	1	MAIN [SPC]
R81	ERJ6GEYJ822V	1/10W 8.2K	1	MAIN [SPC]
R82	ERJ6GEYJ332V	1/10W 3.3K	1	MAIN [SPC]
R83	ERJ6GEYJ822V	1/10W 8.2K	1	MAIN [SPC]
R84	ERJ6GEYJ332V	1/10W 3.3K	1	MAIN [SPC]
R85	ERJ6GEYJ471V	1/10W 470	1	MAIN [SPC]
R86	ERJ6GEYJ103V	1/10W 10K	1	MAIN [SPC]
R87	ERJ6GEYJ563V	1/10W 56K	1	MAIN [SPC]
R89	ERJ6GEYJ332V	1/10W 3.3K	1	MAIN [SPC]
R91	ERJ6GEYJ103V	1/10W 10K	1	MAIN [SPC]
R94	ERJ6GEYJ102V	1/10W 1K	1	MAIN [SPC]
R98	ERJ6GEYJ681V	1/10W 680	1	MAIN [SPC]
R99	ERJ6GEYJ103V	1/10W 10K	1	MAIN [SPC]
R100,01	ERJ6GEYJ472V	1/10W 4.7K	2	MAIN [SPC]
R102,03	ERD25FVJ2R2T	1/4W 2.2	2	MAIN [SPC]
R104,05	ERJ6GEYJ472V	1/10W 4.7K	2	MAIN [SPC]
R106,07	ERD25FVJ2R2T	1/4W 2.2	2	MAIN [SPC]

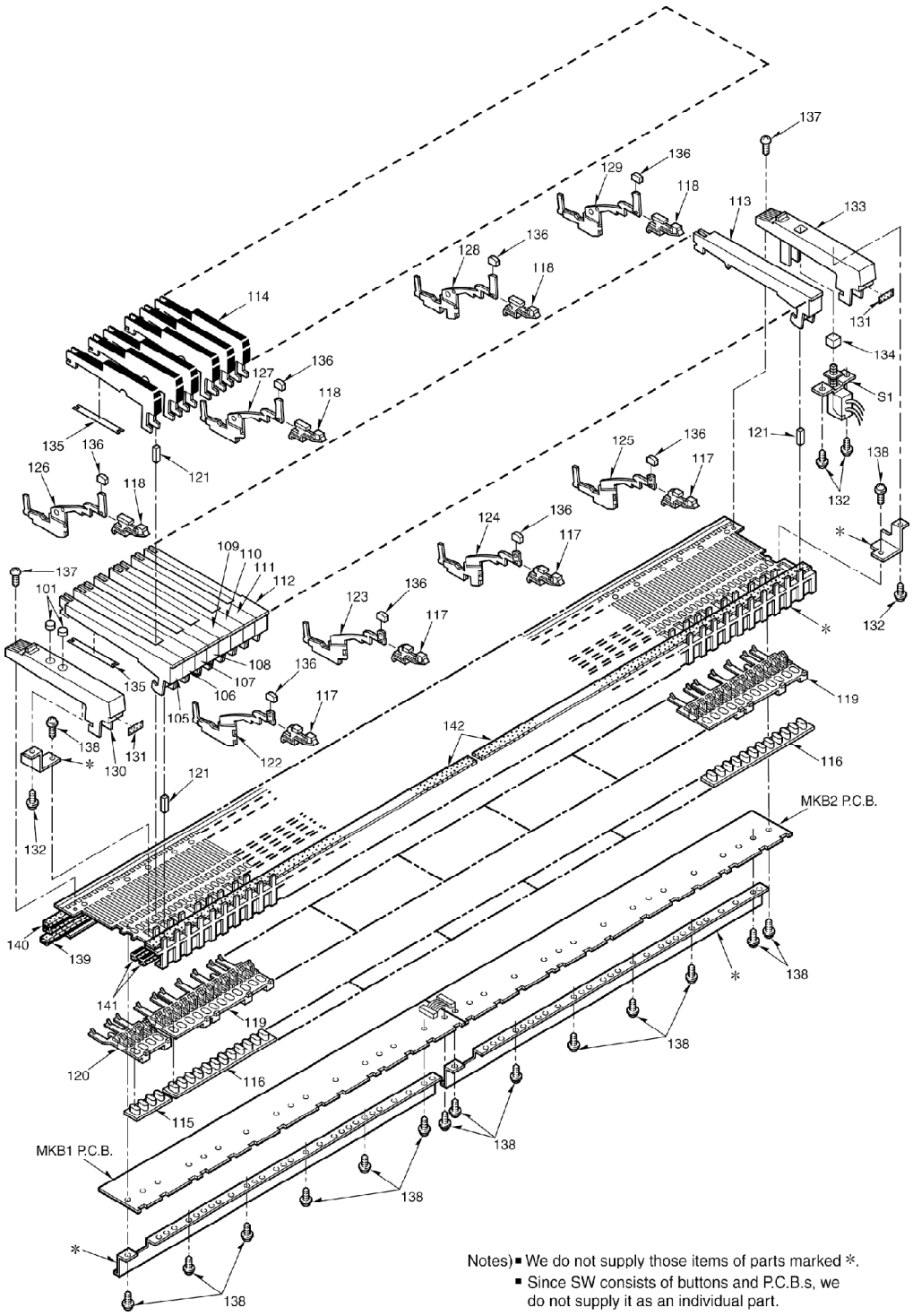
Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
RJ1-3	ERDS2T0	1/4W 0	3	PKB [SPC]
S1	QSPG1010AA	SW,POWER	1	[SPC] ⚠
S1-3	QSTGT001AA	LEVER SWITCH	3	PKB [SPC]
SP1,2	QASG12P07A	12CM SP	1	[SPC]
SW1	EVQ21507K	SW,TACT	1	SW [SPC]
SW1	QSRGT005AA	VOLTAGE SELECTOR	1	ACP [SPC]
SW2	EVQ21507K	SW,TACT	1	SW [SPC]
T1	QTPG1M059A	POWER TRANSFORMER	1	(P,PC) [SPC] ⚠
T1	QTPG1M060A	POWER TRANSFORMER	1	(EX,EZ,EB,EG,X) [SPC] ⚠
T1	QTPG1M060A	POWER TRANSFORMER	1	(XS,GN,XT,XD,XA) [SPC] ⚠
VR1	QRV09A01B14	V.R.,VOLUME	1	HPVOL [SPC]
W2	QEXGVH03070B	WIRE WITH CONNECTOR	1	[SPC]
W3	QEXGSS05085B	WIRE WITH CONNECTOR	1	[SPC]
W5	QEXGVH04070F	WIRE WITH CONNECTOR	1	[SPC]
W6	QEXGSS16100B	WIRE WITH CONNECTOR	1	[SPC]
W7	QEXGSS08065A	WIRE WITH CONNECTOR	1	[SPC]
X1	SVQGA20MX040	20MHZ CERAMIC OSCILLATOR	1	MAIN [SPC]
X2	QSXG1A1128A	XTAL	1	MAIN [SPC]
Z1	EXBS8V471J	470 Ω ×4	1	MAIN [SPC]
Z2	EXBV8V221J	220 Ω ×4	1	MAIN [SPC]
Z3,Z4	EXBS8V223J	22K Ω ×4	2	MAIN [SPC]
Z5,Z6	EXBV8V472J	4.7K Ω ×4	2	MAIN [SPC]
Z9	EXBS8V221J	220 Ω ×4	1	MAIN [SPC]

17. Cabinet Parts Location

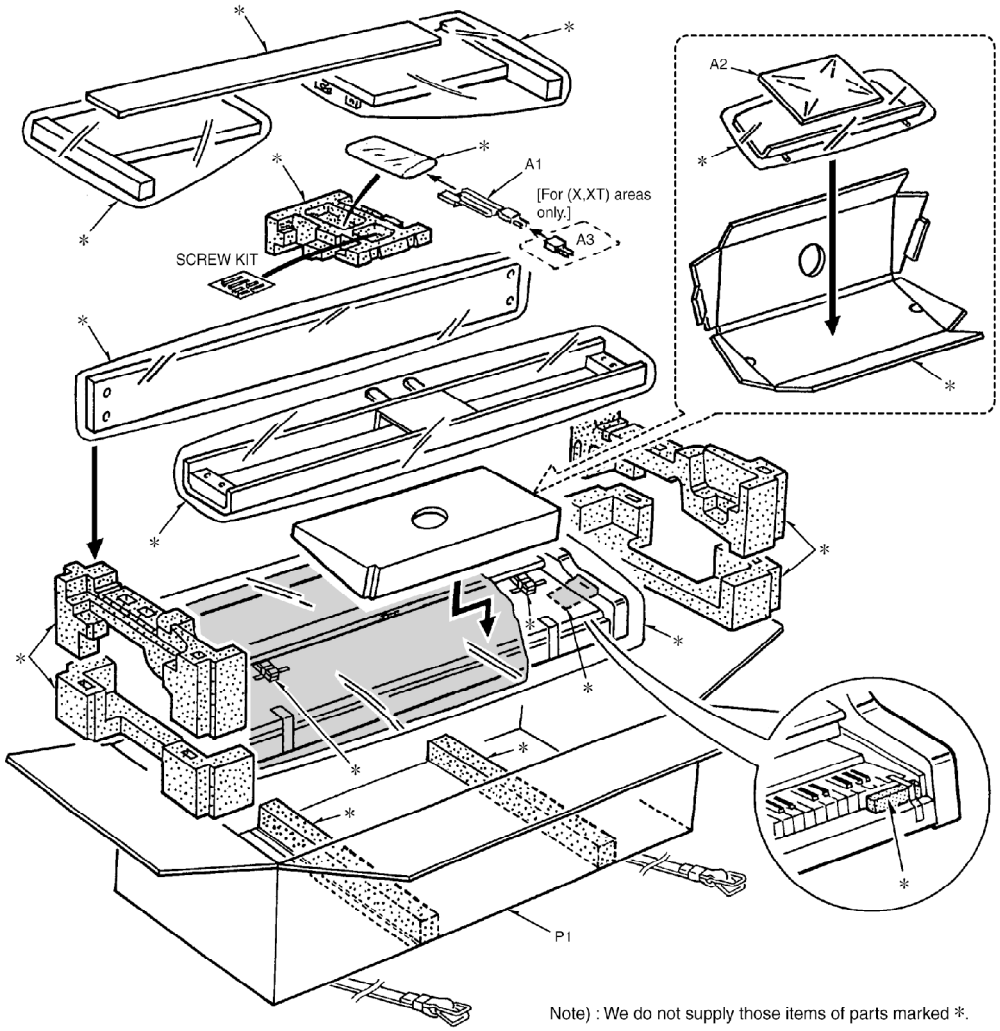

[For (P,PC) areas only.]
SP1
SP2
Note) : We do not supply those items of parts marked *.



18. Manual Keyboard Parts Location


MKB2 P.C.B.
MKB1 P.C.B.
S1
Notes) ▪ We do not supply those items of parts marked *.
▪ Since SW consists of buttons and P.C.B.s, we do not supply it as an individual part.

19. Packaging



Note) : We do not supply those items of parts marked *.

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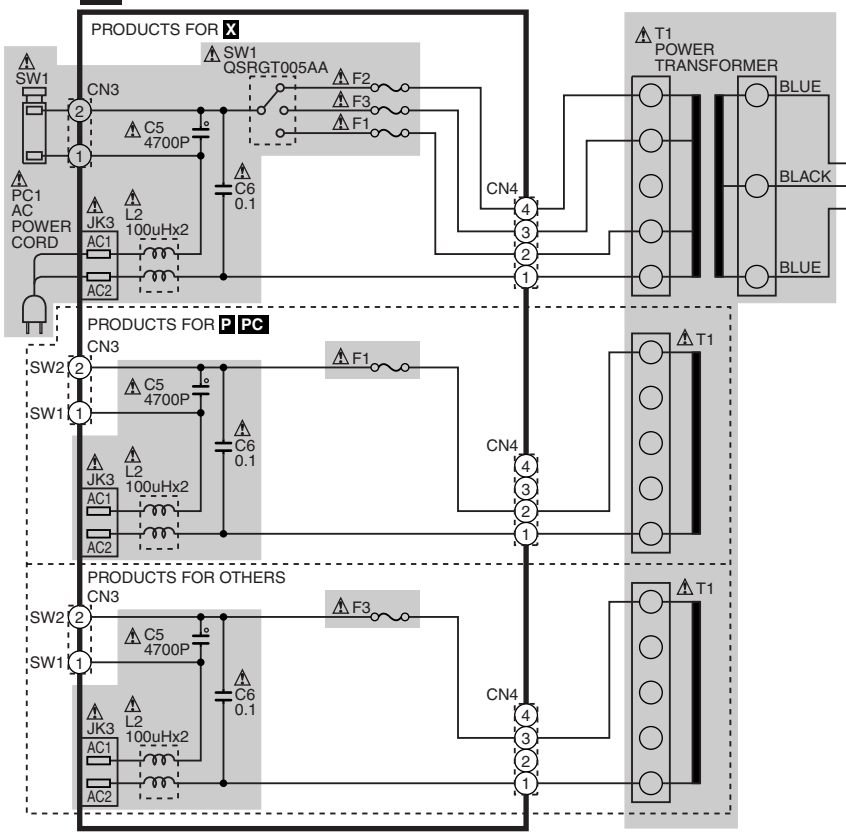
Function		Transmitted	Recognized	Remarks
Basic Channel	Default Changed	1 1—16	1 1—16	
Mode	Default Messages Altered	3 × —	3 × —	
Note Number	True voice	21—108 —	0—127 0—127*	
Velocity	Note ON Note OFF	○ × (9nh: v=0)	○ ×	
After Touch	Key's Ch's	× ×	× ×	
Pitch Bend		×	×	
Control Change	64 67	○ ○	○ ○	sustain pedal soft pedal
Prog Change	True #	○ —	○ 1—6	
System Exclusive		×	×	
System Common	Song Pos Song Sel Tune	× × ×	× × ×	
System Real Time	Clock Commands	× ×	× ×	
Aux Messages	Local ON/OFF All Notes OFF Active Sense Reset	× × ○ ×	○ ○ ○ ×	
Notes		*Depends on the **TRANSPOSE** setting.		

Mode 1: OMNI ON, POLY **Mode 2:** OMNI ON, MONO ○ : Yes
Mode 3: OMNI OFF, POLY **Mode 4:** OMNI OFF, MONO × : No

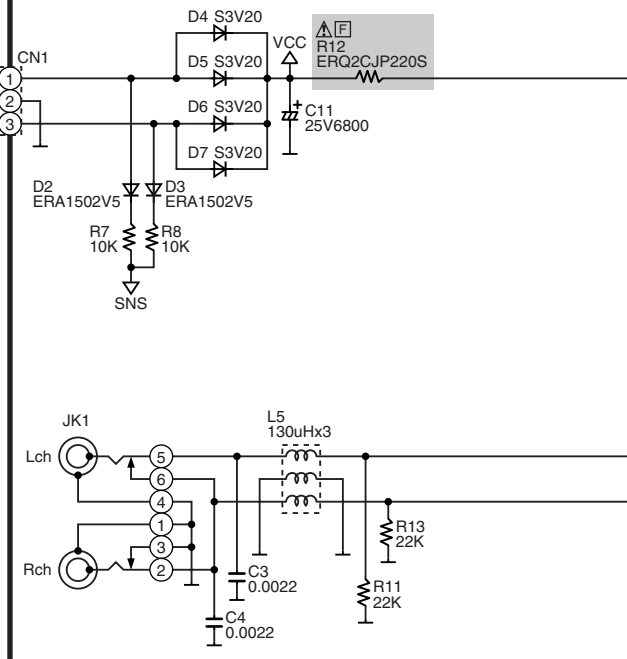
SCHEMATIC DIAGRAM-1

NOTE:
The number which noted at the connectors on the schematic diagram as
"SCHEMATIC DIAGRAM-1" or "SCHEMATIC DIAGRAM-2"
indicates the schematic diagram serial number located on the left corner in the schematic diagram.

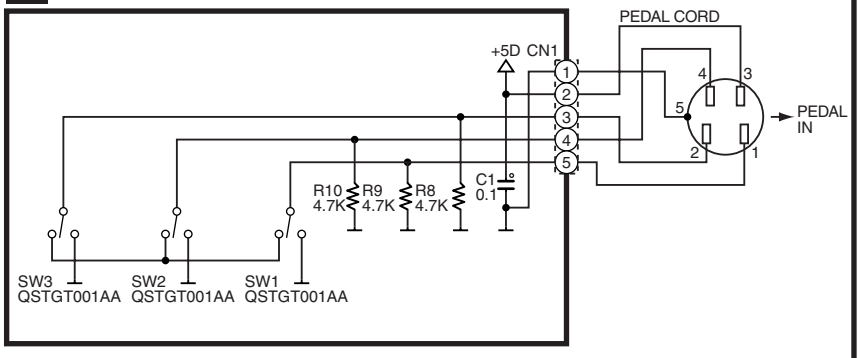
F ACP CIRCUIT

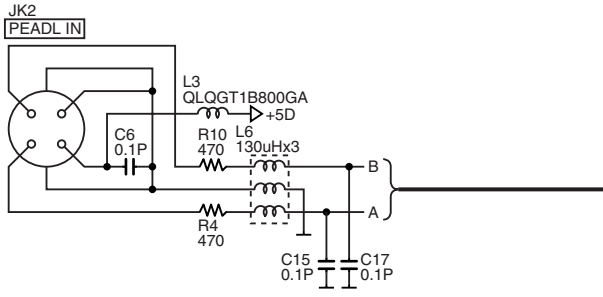


A MAIN CIRCUIT

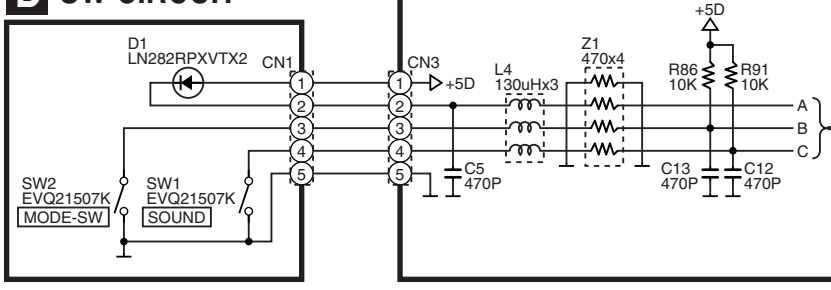


G PKB CIRCUIT

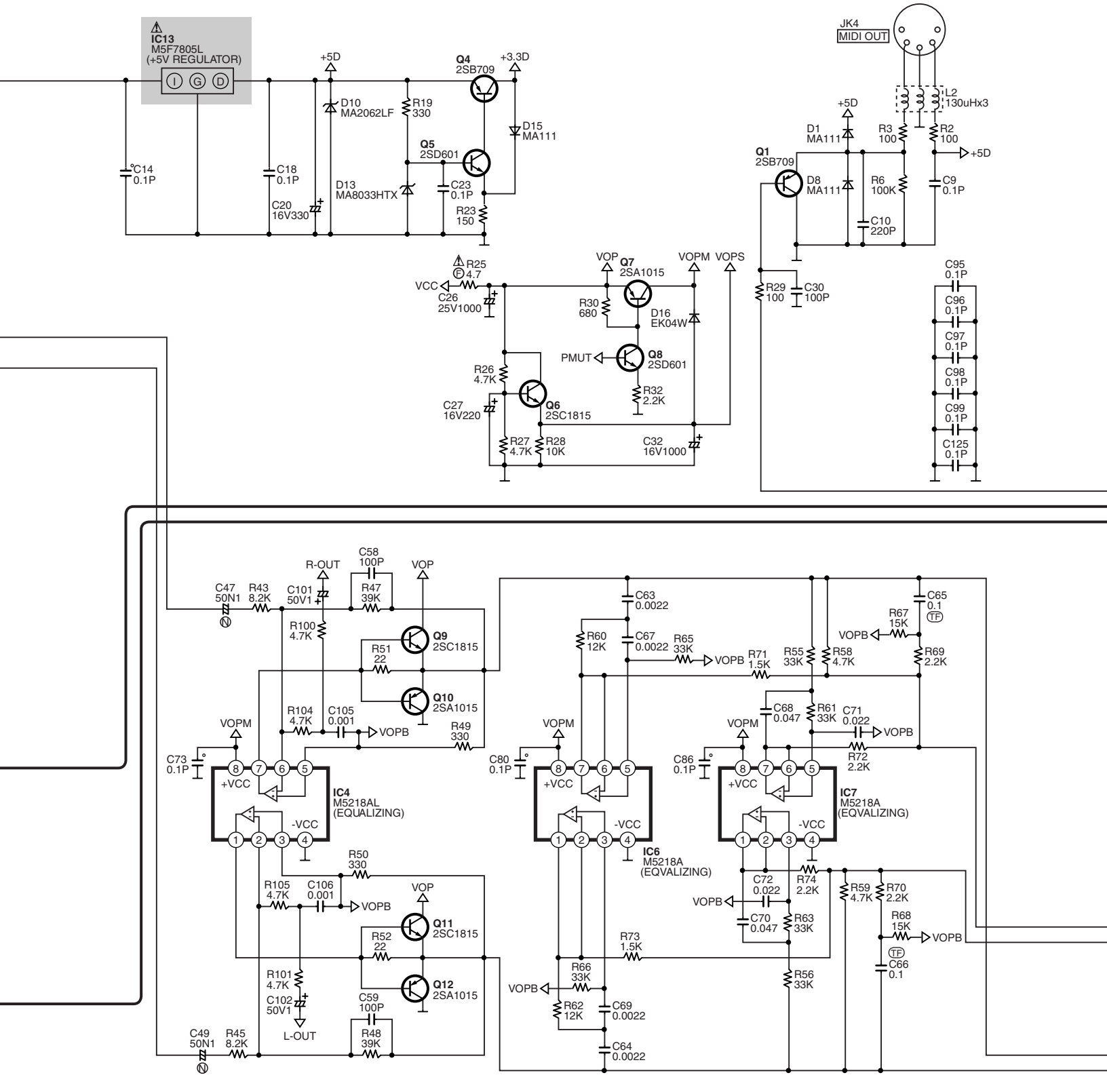




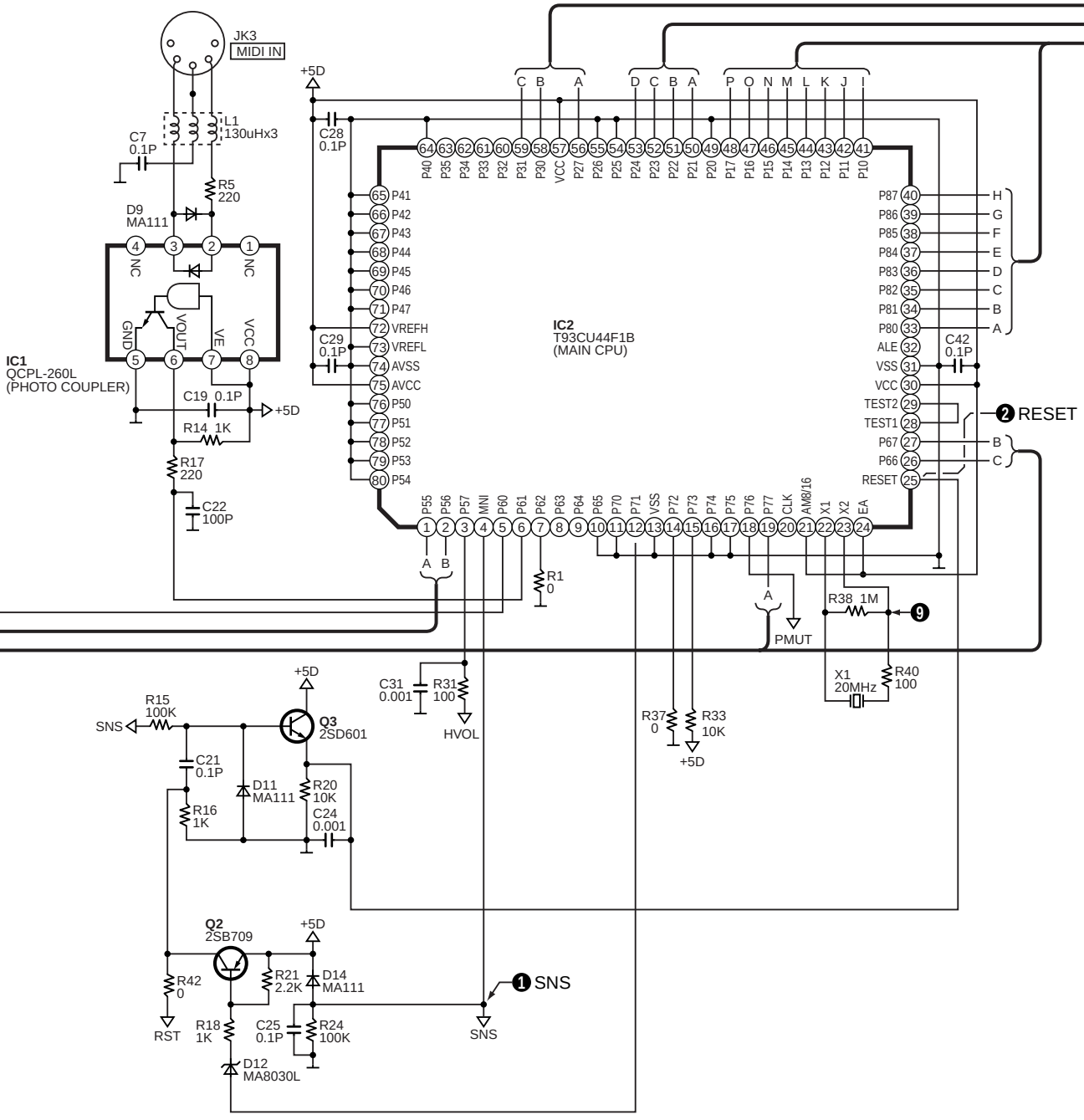
D SW CIRCUIT



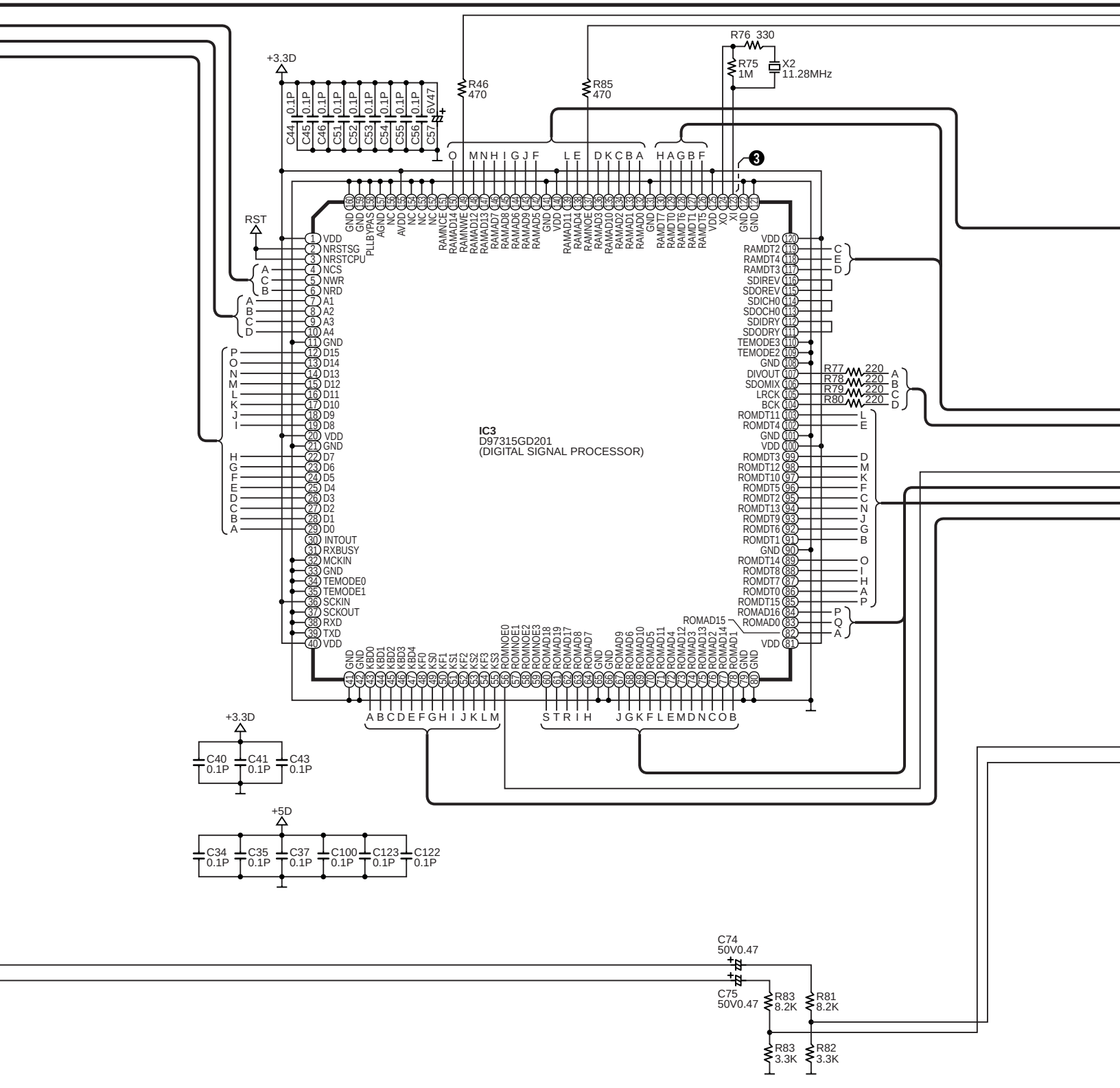
SCHEMATIC DIAGRAM-2



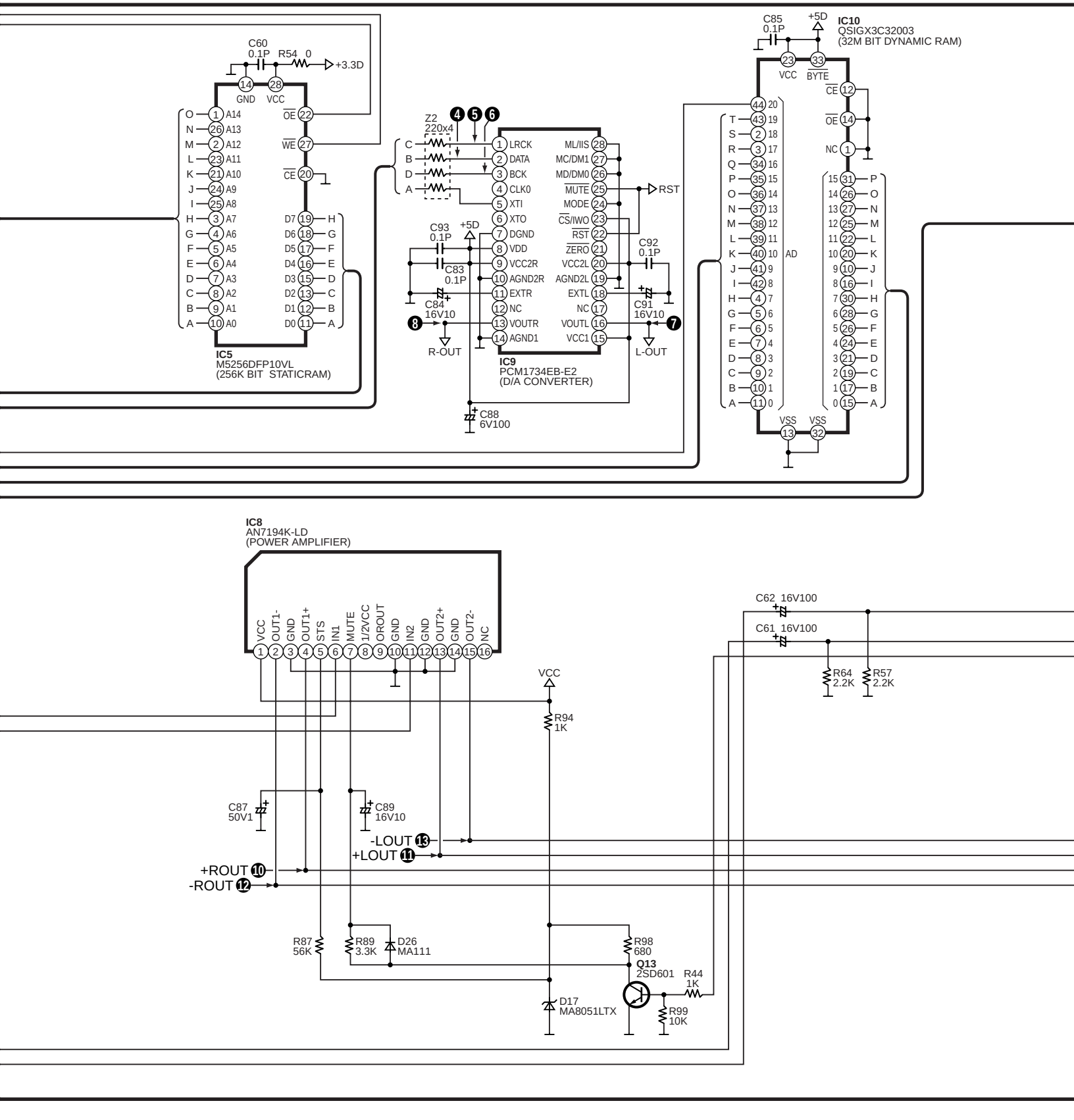
SCHEMATIC DIAGRAM-3



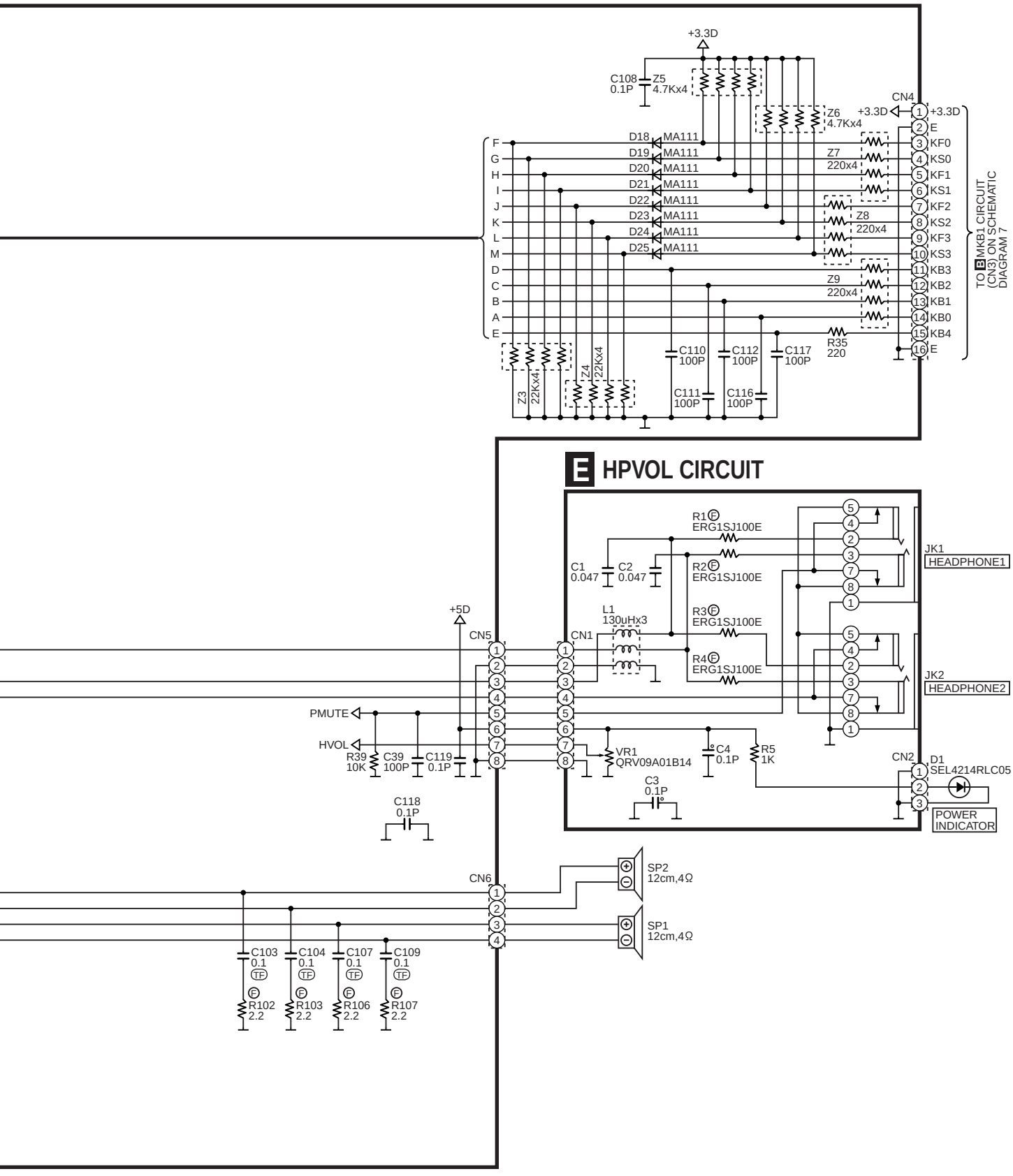
SCHEMATIC DIAGRAM-4



SCHEMATIC DIAGRAM-5

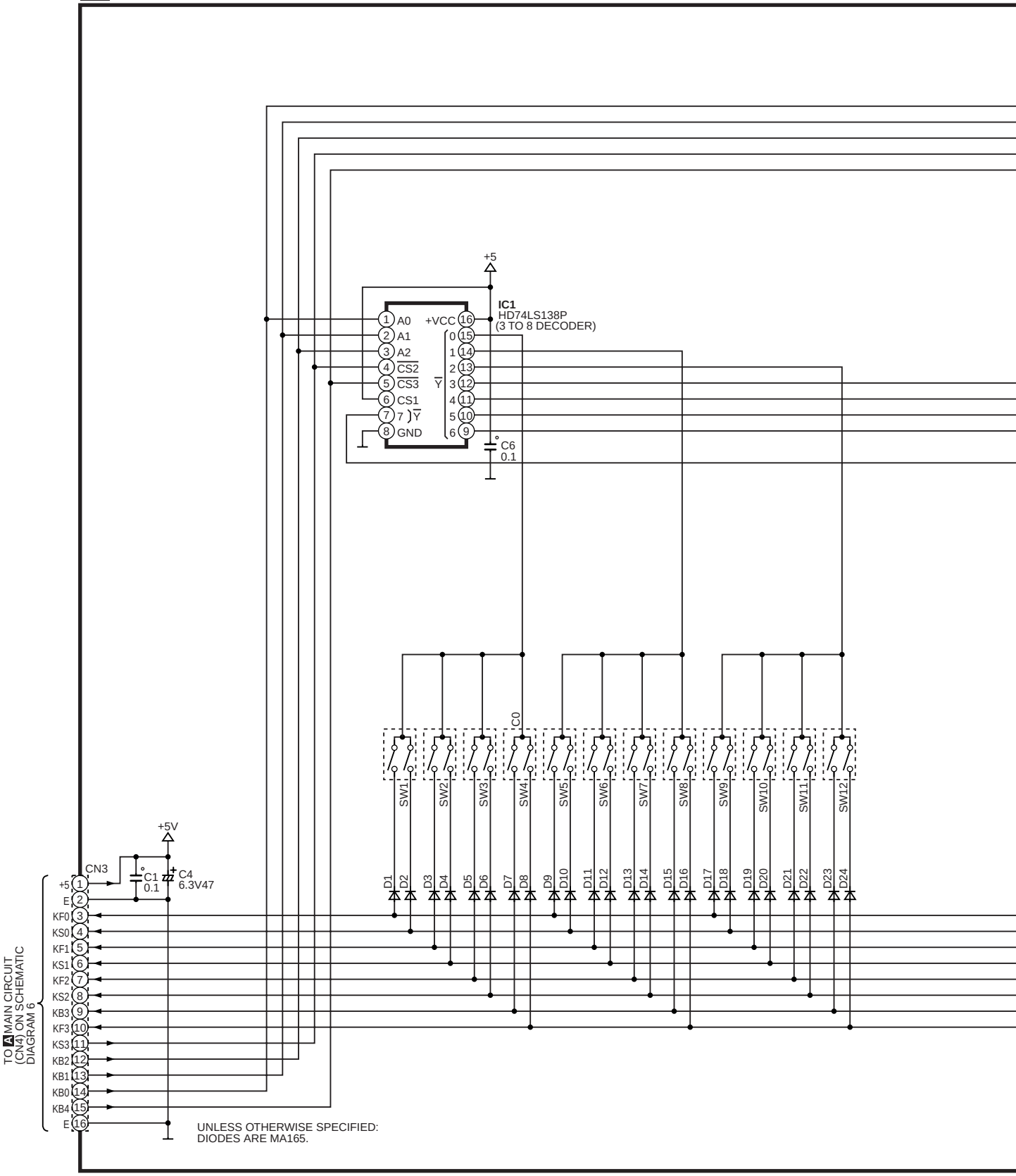


SCHEMATIC DIAGRAM-6

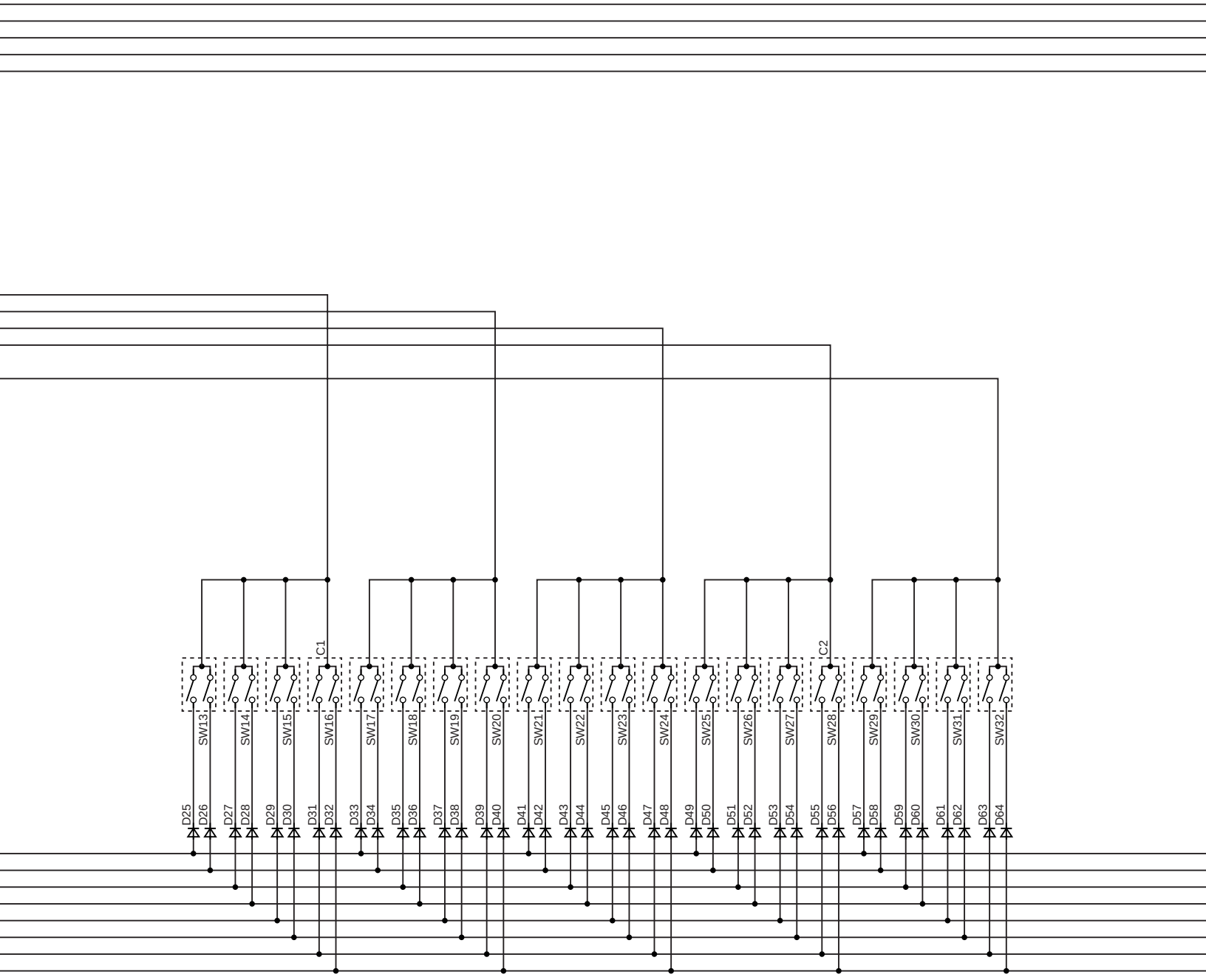


SCHEMATIC DIAGRAM-7

B MKB1 CIRCUIT

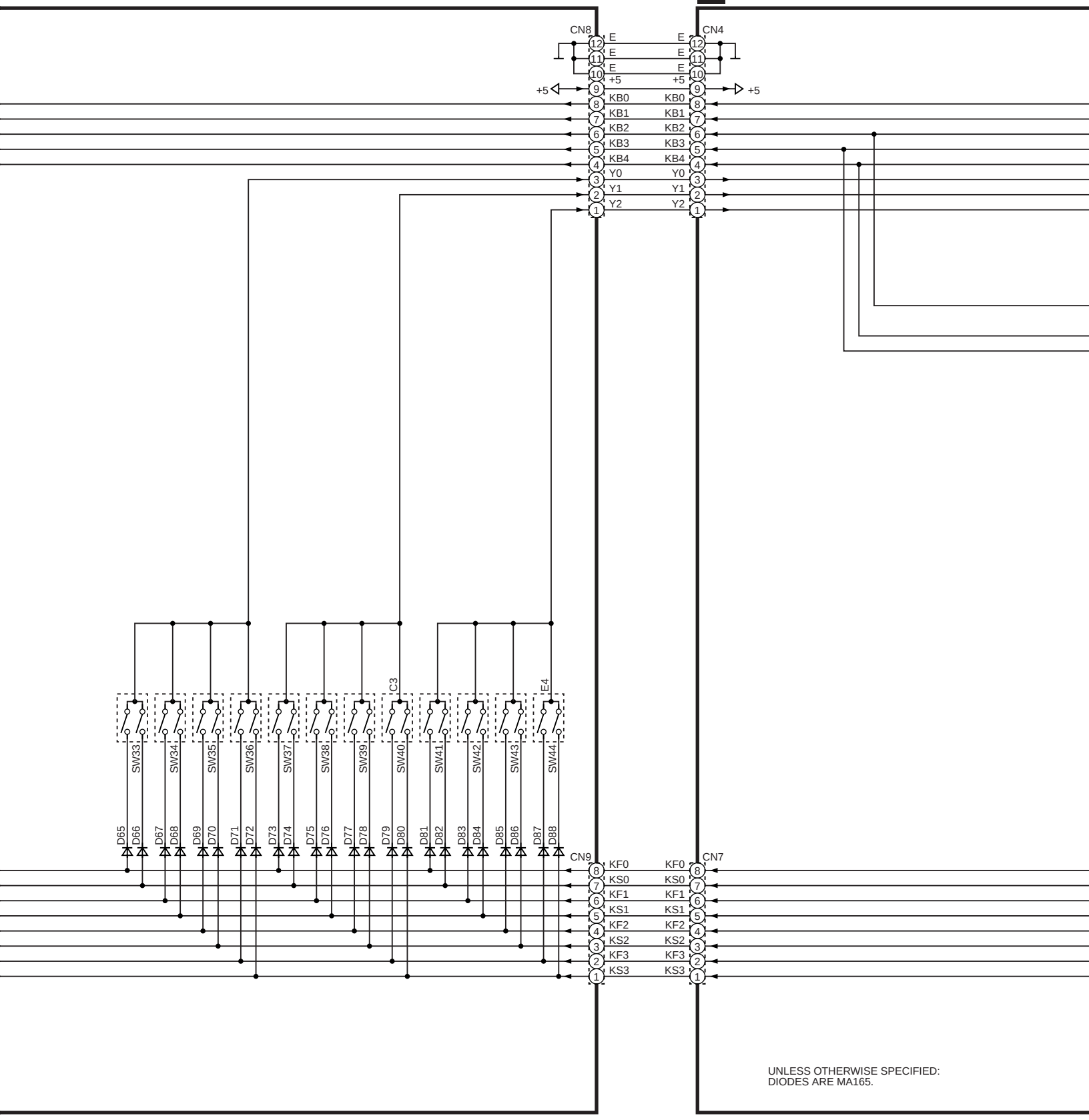


SCHEMATIC DIAGRAM-8



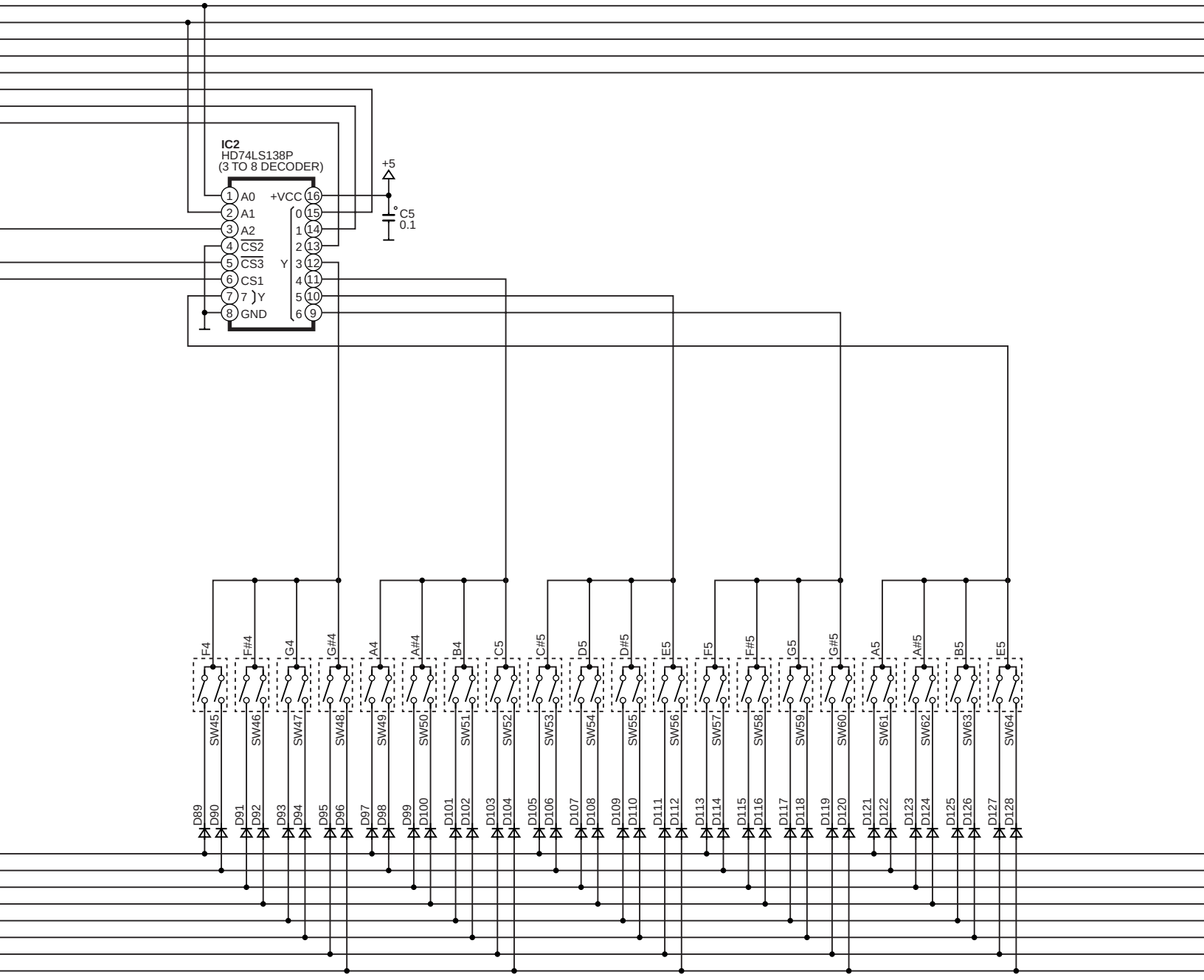
SCHEMATIC DIAGRAM-9

C MKB2 CIRCUIT

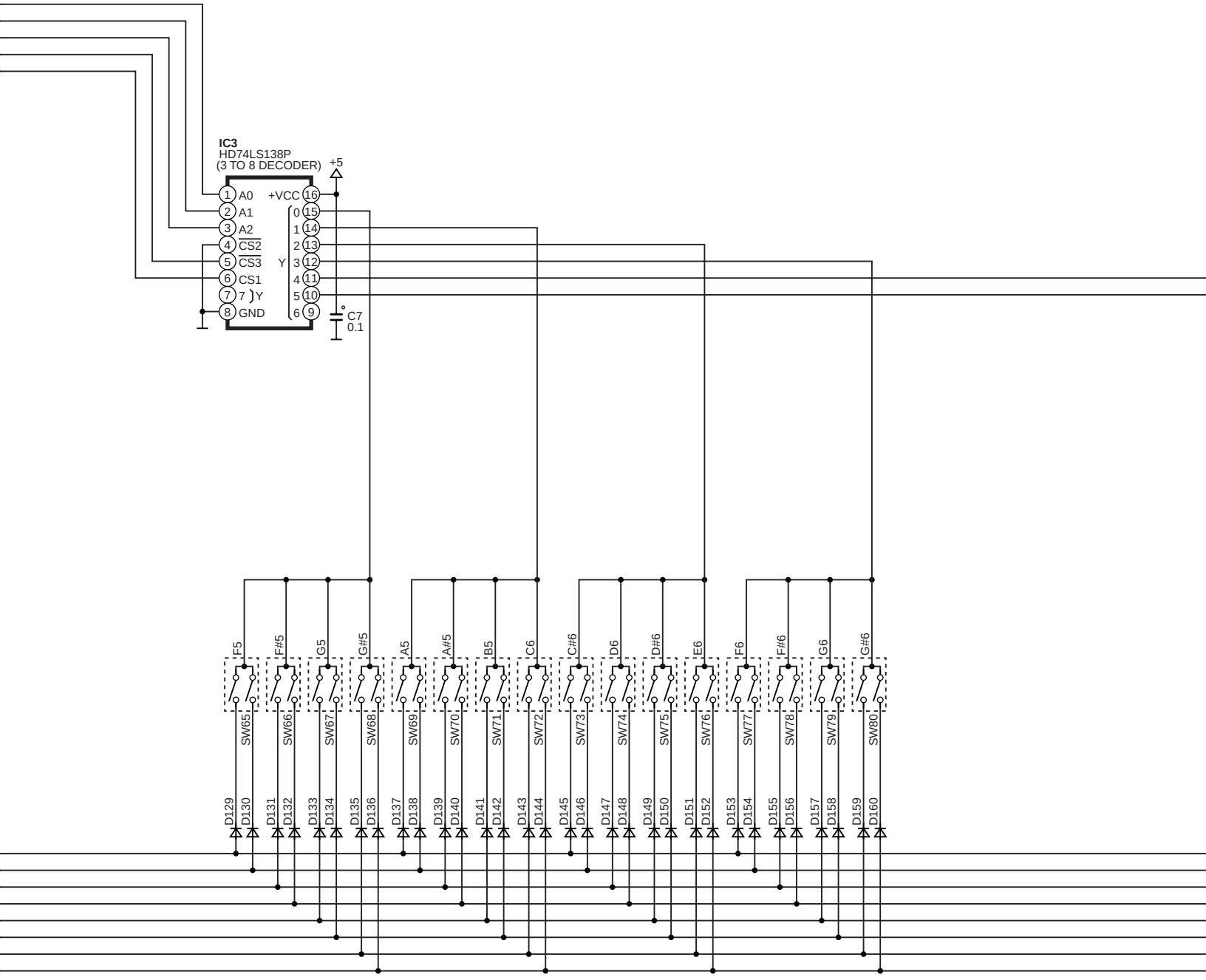


UNLESS OTHERWISE SPECIFIED:
DIODES ARE MA165.

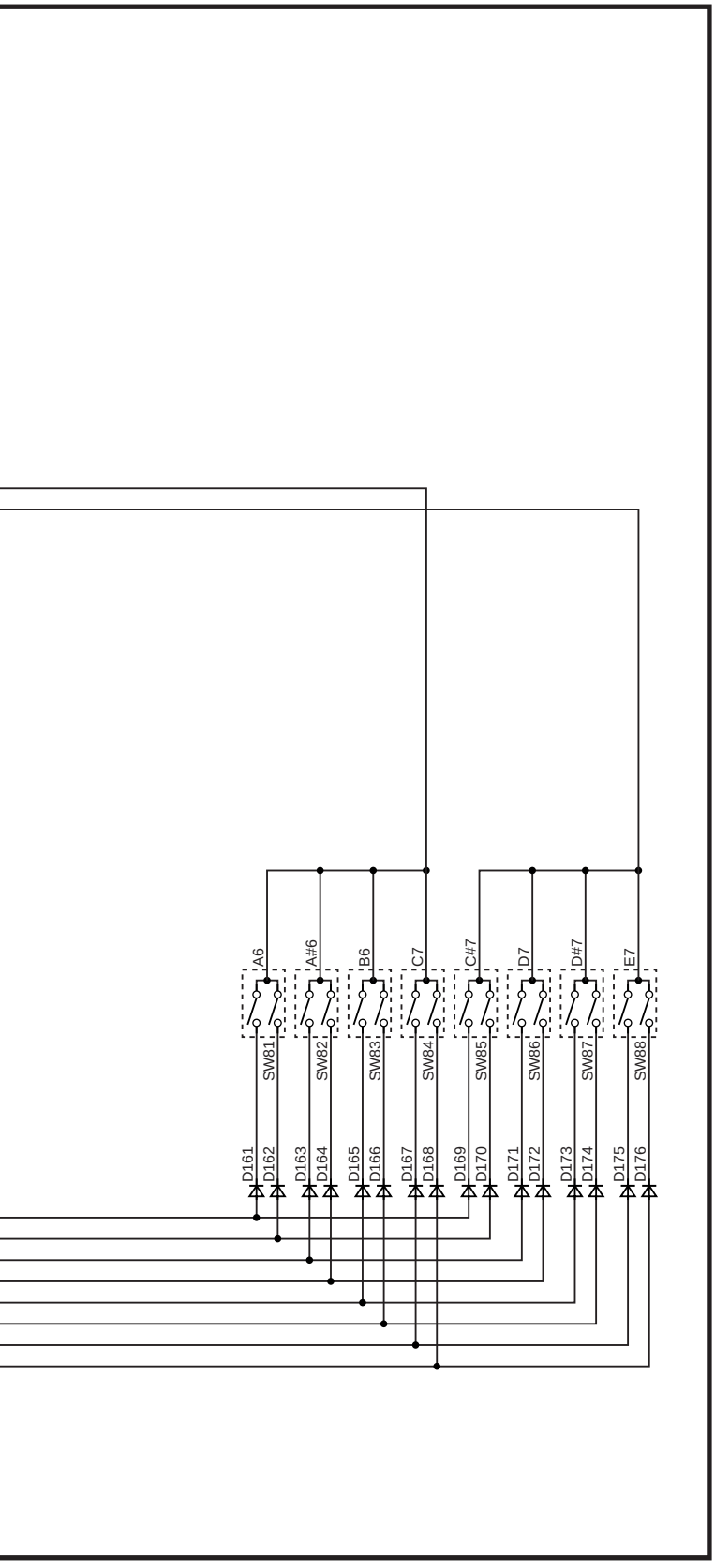
SCHEMATIC DIAGRAM-10



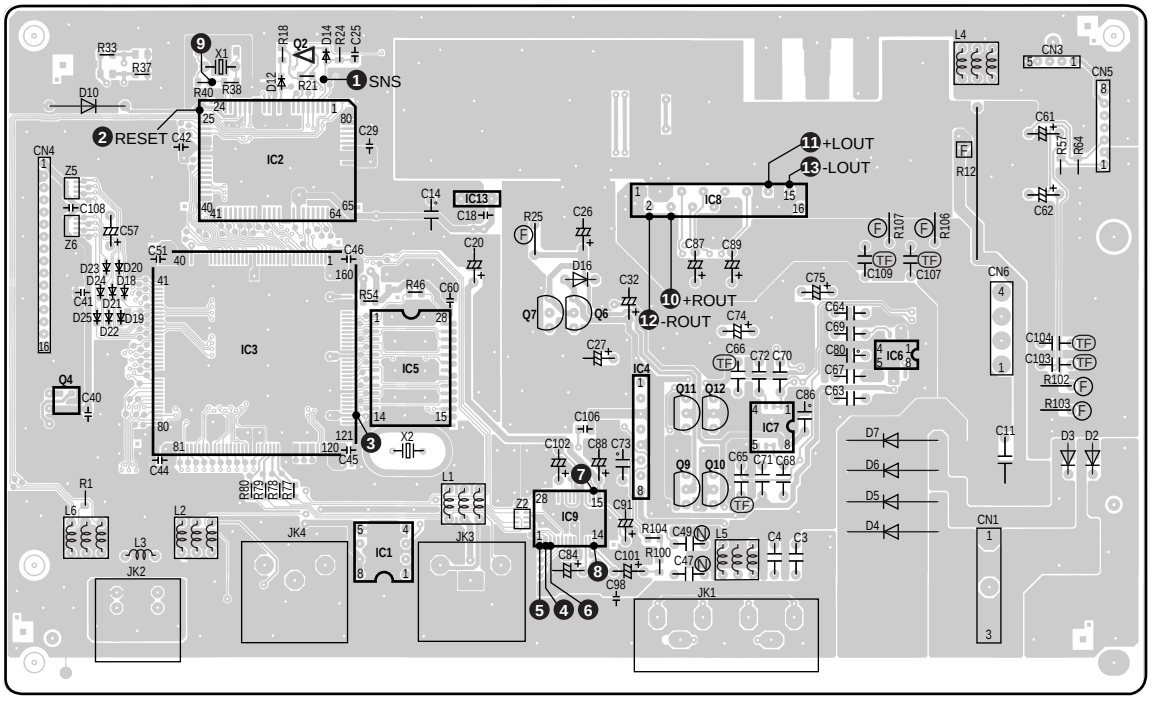
SCHEMATIC DIAGRAM-11



SCHEMATIC DIAGRAM-12



A MAIN P.C.B. (COMPONENT SIDE)

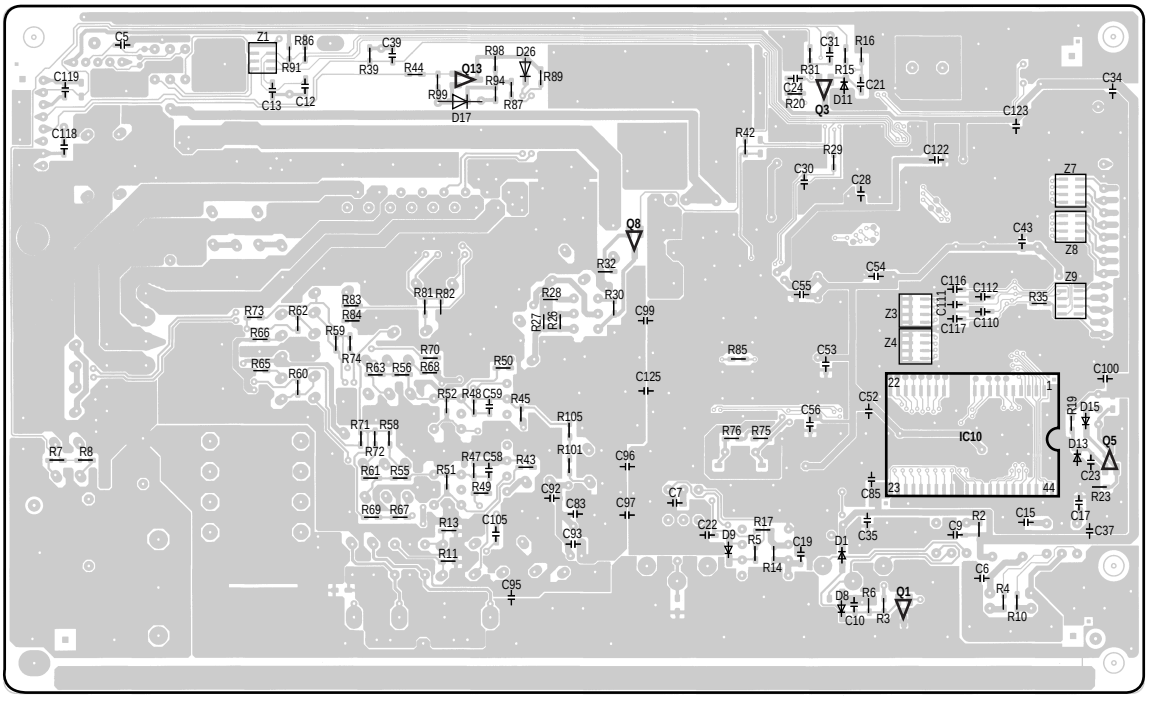


(SXPG235311)

ELECTRICAL PARTS LOCATION

Ref.No.	Lo.No.	Ref.No.	Lo.No.	Ref.No.	Lo.No.	Ref.No.	Lo.No.	Ref.No.	Lo.No.	Ref.No.	Lo.No.
A MAIN P.C.B. (COMPONENT SIDE)											
IC1	B-4	D10	A-2	L5	D-3	R103	E-3	C57	A-2	C98	C-4
IC2	B-2	D12	B-1	L6	A-3	R104	D-3	C60	C-2	C101	D-4
IC3	B-3	D14	B-1	X1	B-1	R106	E-2	C61	E-2	C102	C-3
IC4	D-3	D16	C-2	X2	C-3	R107	E-2	C62	E-2	C103	E-3
IC5	C-3	D18	A-2	R1	A-3	C3	D-3	C63	D-3	C104	E-3
IC6	E-3	D19	A-2	R12	E-2	C4	D-3	C64	D-2	C106	C-3
IC7	D-3	D20	A-2	R18	B-1	C11	E-3	C65	D-3	C107	E-2
IC8	D-2	D21	A-2	R21	B-1	C14	C-2	C66	D-3	C108	A-2
IC9	C-3	D22	A-3	R24	B-1	C18	C-2	C67	D-3	C109	E-2
IC13	C-2	D23	A-2	R25	C-2	C20	C-2	C68	D-3	JK1	D-4
Q2	B-1	D24	A-2	R33	A-1	C25	B-1	C69	D-3	JK2	A-4
Q4	A-3	D25	A-2	R37	A-1	C26	C-2	C70	D-3	JK3	C-3
Q6	C-2	CN1	E-3	R38	B-1	C27	C-3	C71	D-3	JK4	B-3
Q7	C-2	CN3	E-1	R40	B-1	C29	B-2	C72	D-3		
Q9	D-3	CN4	A-2	R46	C-2	C32	D-2	C73	C-3		
Q10	D-3	CN5	F-1	R54	B-2	C40	A-3	C74	D-3		
Q11	D-3	CN6	E-2	R57	E-2	C41	A-2	C75	D-2		
Q12	D-3	Z2	C-3	R64	F-2	C42	B-2	C80	D-3		
D2	F-3	Z5	A-2	R77	B-3	C44	A-3	C84	C-4		
D3	E-3	Z6	A-2	R78	B-3	C45	B-3	C86	D-3		
D4	E-3	L1	C-3	R79	B-3	C46	B-2	C87	D-2		
D5	E-3	L2	B-3	R80	B-3	C47	D-4	C88	C-3		
D6	E-3	L3	A-4	R100	D-4	C49	D-3	C89	D-2		
D7	E-3	L4	E-1	R102	E-3	C51	A-2	C91	C-3		

A MAIN P.C.B. (FOIL SIDE)

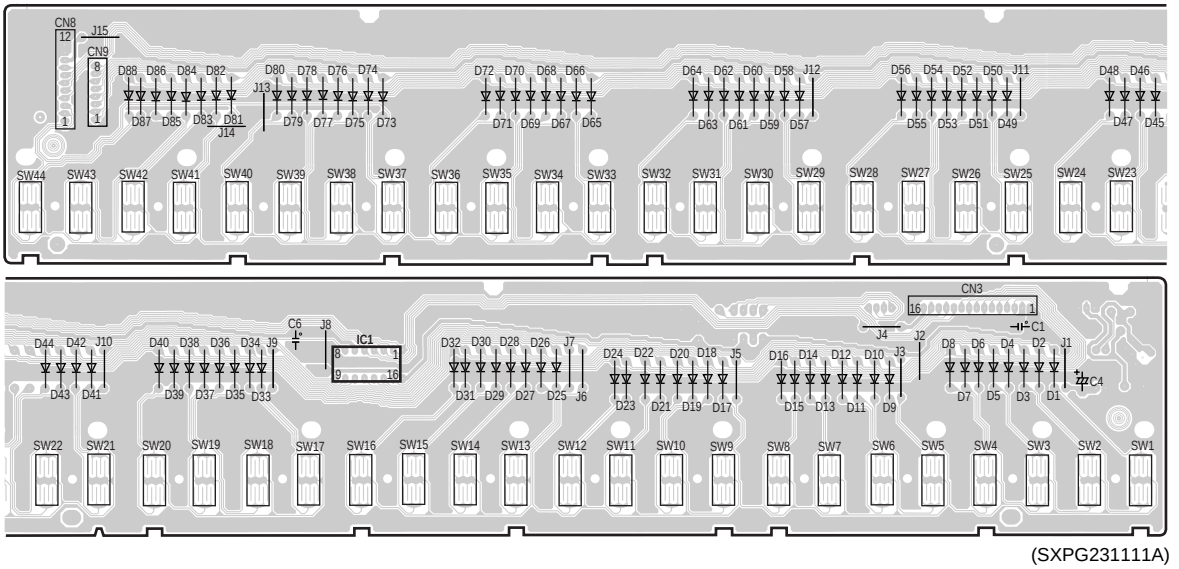


(SXPG235311)

ELECTRICAL PARTS LOCATION

Ref.No.	Lo.No.	Ref.No.	Lo.No.	Ref.No.	Lo.No.	Ref.No.	Lo.No.	Ref.No.	Lo.No.	Ref.No.	Lo.No.
A MAIN P.C.B. (FOIL SIDE)											
IC10	E-3	R6	E-4	R44	C-1	R73	B-2	C13	B-2	C85	E-3
Q1	E-4	R7	A-3	R45	C-3	R74	B-3	C15	E-3	C92	C-3
Q3	D-2	R8	A-3	R47	C-3	R75	D-3	C17	F-3	C93	C-3
Q5	F-3	R10	E-4	R48	C-3	R76	D-3	C19	D-3	C95	C-4
Q8	D-2	R11	C-4	R49	C-3	R81	C-2	C21	E-1	C96	C-3
Q13	C-1	R13	C-3	R50	C-3	R82	C-2	C22	D-3	C97	C-3
D1	D-3	R14	D-4	R51	C-3	R83	B-2	C23	F-3	C99	D-2
D8	D-4	R15	D-1	R52	C-3	R84	B-2	C24	D-1	C100	F-3
D9	D-3	R16	E-1	R55	B-3	R85	D-3	C28	E-2	C105	C-3
D11	D-2	R17	D-3	R56	C-3	R86	B-1	C30	D-2	C110	E-3
D13	F-3	R19	F-3	R58	B-3	R87	C-2	C31	D-2	C111	E-2
D15	F-3	R20	D-2	R59	B-3	R89	C-1	C34	F-1	C112	E-2
D17	C-2	R23	F-3	R60	B-3	R91	B-1	C35	E-3	C116	E-2
D26	C-1	R26	C-3	R61	B-3	R94	C-1	C37	F-3	C117	E-3
Z1	B-1	R27	C-3	R62	B-2	R98	C-1	C39	B-1	C118	A-2
Z3	E-2	R28	C-2	R63	B-3	R99	C-2	C43	E-2	C119	A-1
Z4	E-3	R29	D-2	R65	B-3	R101	C-3	C52	E-3	C122	E-2
Z7	E-2	R30	C-2	R66	B-3	R105	C-3	C53	D-3	C123	E-2
Z8	E-2	R31	D-1	R67	B-3	C5	A-1	C54	E-2	C125	D-3
Z9	E-2	R32	C-2	R68	C-3	C6	E-4	C55	D-2		
R2	E-3	R35	E-2	R69	B-3	C7	D-3	C56	D-3		
R3	E-4	R39	B-1	R70	C-3	C9	E-3	C58	C-3		
R4	E-4	R42	D-2	R71	B-3	C10	D-4	C59	C-3		
R5	D-3	R43	C-3	R72	B-3	C12	B-2	C83	C-3		

B MKB1 P.C.B.

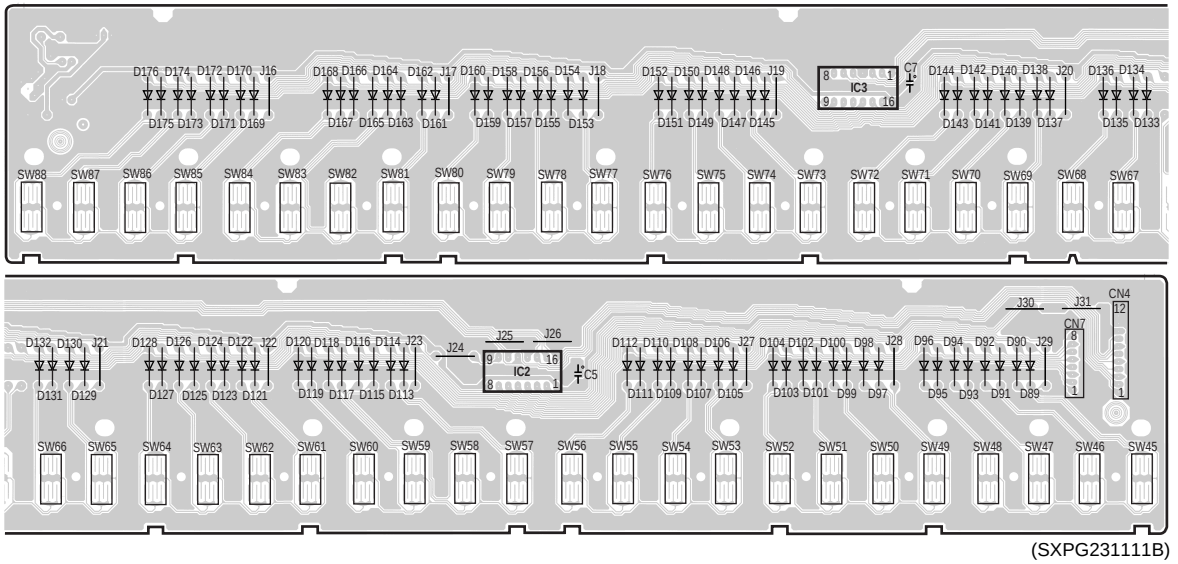


(SXPG231111A)

ELECTRICAL PARTS LOCATION

Ref.No.	Lo.No.	Ref.No.	Lo.No.	Ref.No.	Lo.No.	Ref.No.	Lo.No.	Ref.No.	Lo.No.
B MKB1 P.C.B.									
IC1	B-3	D28	C-3	D56	E-1	D84	B-1	SW18	B-3
D1	E-3	D29	C-3	D57	D-2	D85	A-2	SW19	B-3
D2	E-3	D30	C-3	D58	D-1	D86	A-1	SW20	A-3
D3	E-3	D31	C-3	D59	D-2	D87	A-2	SW21	A-3
D4	E-3	D32	C-3	D60	D-1	D88	A-1	SW22	A-3
D5	E-3	D33	B-3	D61	D-2	CN3	E-2	SW23	F-2
D6	E-3	D34	B-3	D62	D-1	CN8	A-1	SW24	E-2
D7	E-3	D35	B-3	D63	D-2	CN9	A-1	SW25	E-2
D8	E-3	D36	B-3	D64	D-1	C1	E-3	SW26	E-2
D9	E-3	D37	B-3	D65	C-2	C4	F-3	SW27	E-2
D10	E-3	D38	B-3	D66	C-1	C6	B-3	SW28	E-2
D11	E-3	D39	A-3	D67	C-2	SW1	F-3	SW29	D-2
D12	D-3	D40	A-3	D68	C-1	SW2	F-3	SW30	D-2
D13	D-3	D41	A-3	D69	C-2	SW3	E-3	SW31	D-2
D14	D-3	D42	A-3	D70	C-1	SW4	E-3	SW32	D-2
D15	D-3	D43	A-3	D71	C-2	SW5	E-3	SW33	C-2
D16	D-3	D44	A-3	D72	C-1	SW6	E-3	SW34	C-2
D17	D-3	D45	F-2	D73	B-2	SW7	D-3	SW35	C-2
D18	D-3	D46	F-1	D74	B-1	SW8	D-3	SW36	C-2
D19	D-3	D47	F-2	D75	B-2	SW9	D-3	SW37	B-2
D20	D-3	D48	F-1	D76	B-1	SW10	D-3	SW38	B-2
D21	D-3	D49	E-2	D77	B-2	SW11	C-3	SW39	B-2
D22	D-3	D50	E-1	D78	B-1	SW12	C-3	SW40	B-2
D23	C-3	D51	E-2	D79	B-2	SW13	C-3	SW41	B-2
D24	C-3	D52	E-1	D80	B-1	SW14	C-3	SW42	A-2
D25	C-3	D53	E-2	D81	B-2	SW15	C-3	SW43	A-2
D26	C-3	D54	E-1	D82	B-1	SW16	B-3	SW44	A-2
D27	C-3	D55	E-2	D83	B-2	SW17	B-3		

C MKB2 P.C.B.

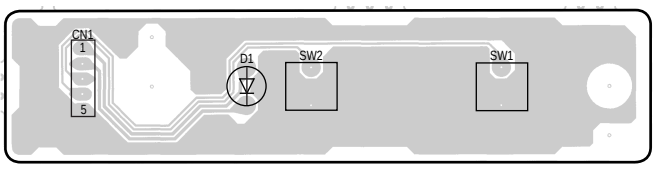


(SXPG231111B)

ELECTRICAL PARTS LOCATION

Ref.No.	Lo.No.	Ref.No.	Lo.No.	Ref.No.	Lo.No.	Ref.No.	Lo.No.	Ref.No.	Lo.No.
C MKB2 P.C.B.									
IC2	C-3	D115	B-3	D143	E-2	D171	B-2	SW63	B-3
IC3	E-2	D116	B-3	D144	E-1	D172	B-1	SW64	A-3
D89	E-3	D117	B-3	D145	D-2	D173	B-2	SW65	A-3
D90	E-3	D118	B-3	D146	D-1	D174	B-1	SW66	A-3
D91	E-3	D119	B-3	D147	D-2	D175	A-2	SW67	F-2
D92	E-3	D120	B-3	D148	D-1	D176	A-1	SW68	E-2
D93	E-3	D121	B-3	D149	D-2	CN4	F-2	SW69	E-2
D94	E-3	D122	B-3	D150	D-1	CN7	E-3	SW70	E-2
D95	E-3	D123	B-3	D151	D-2	C5	C-3	SW71	E-2
D96	E-3	D124	B-3	D152	D-1	C7	E-1	SW72	E-2
D97	E-3	D125	B-3	D153	C-2	SW45	F-3	SW73	D-2
D98	E-3	D126	B-3	D154	C-1	SW46	F-3	SW74	D-2
D99	D-3	D127	A-3	D155	C-2	SW47	E-3	SW75	D-2
D100	D-3	D128	A-3	D156	C-1	SW48	E-3	SW76	D-2
D101	D-3	D129	A-3	D157	C-2	SW49	E-3	SW77	C-2
D102	D-3	D130	A-3	D158	C-1	SW50	E-3	SW78	C-2
D103	D-3	D131	A-3	D159	C-2	SW51	D-3	SW79	C-2
D104	D-3	D132	A-3	D160	C-1	SW52	D-3	SW80	C-2
D105	D-3	D133	F-2	D161	C-2	SW53	D-3	SW81	B-2
D106	D-3	D134	F-1	D162	C-1	SW54	D-3	SW82	B-2
D107	D-3	D135	F-2	D163	B-2	SW55	C-3	SW83	B-2
D108	D-3	D136	F-1	D164	B-1	SW56	C-3	SW84	B-2
D109	D-3	D137	E-2	D165	B-2	SW57	C-3	SW85	B-2
D110	D-3	D138	E-1	D166	B-1	SW58	C-3	SW86	A-2
D111	D-3	D139	E-2	D167	B-2	SW59	C-3	SW87	A-2
D112	C-3	D140	E-1	D168	B-1	SW60	B-3	SW88	A-2
D113	B-3	D141	E-2	D169	B-2	SW61	B-3		
D114	B-3	D142	E-1	D170	B-1	SW62	B-3		

D SW P.C.B.

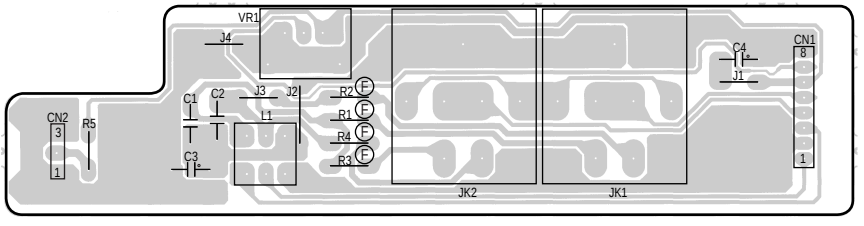


(SXPG235411)

ELECTRICAL PARTS LOCATION

Ref.No.	Lo.No.	Ref.No.	Lo.No.
D SW P.C.B.			
CN1	A-1	SW1	C-1
D1	B-1	SW2	B-1

E HP VOL P.C.B.



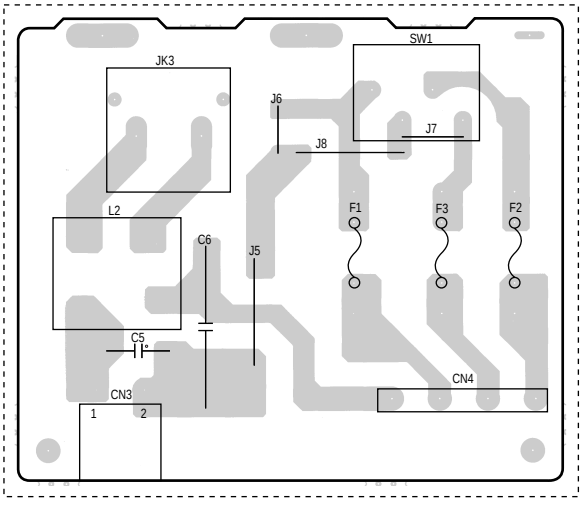
(SXPG235511B)

ELECTRICAL PARTS LOCATION

Ref.No.	Lo.No.	Ref.No.	Lo.No.	Ref.No.	Lo.No.	Ref.No.	Lo.No.	Ref.No.	Lo.No.
E HPVOL P.C.B.									
CN1	D-4	R1	B-4	R4	B-4	C2	B-4	JK1	C-4
CN2	A-4	R2	B-4	R5	A-4	C3	B-4	JK2	C-4
L1	B-4	R3	B-4	C1	B-4	C4	D-4	VR1	B-4

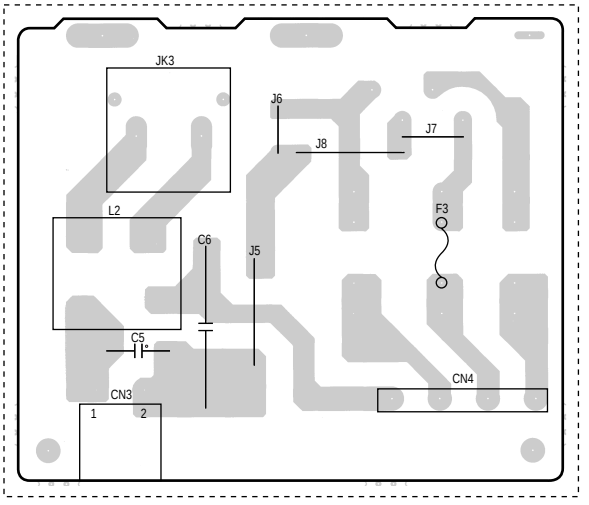
F ACP P.C.B.

X



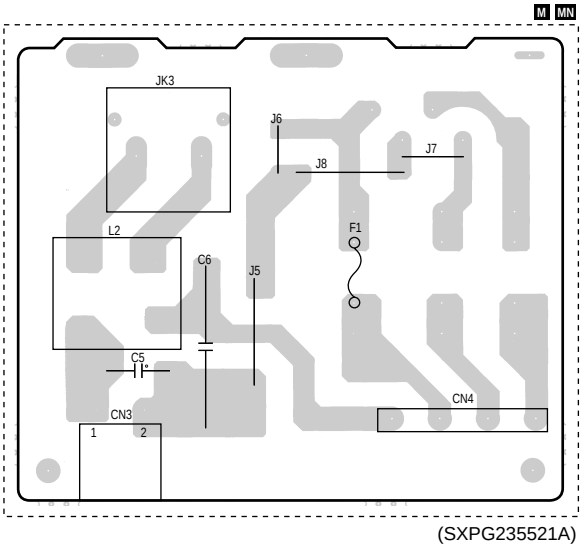
(SXPG235511A)

OTHERS



(SXPG235541A)

M MN

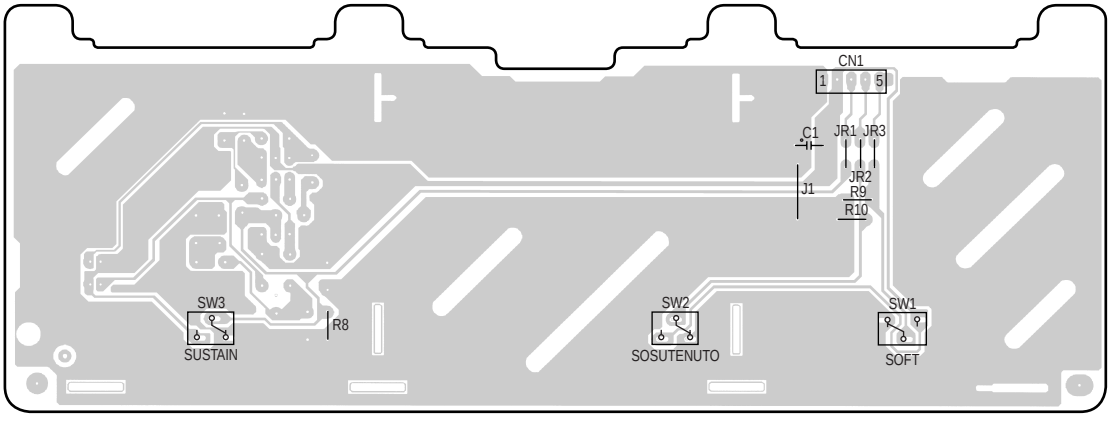


(SXPG235521A)

ELECTRICAL PARTS LOCATION

Ref.No.	Lo.No.	Ref.No.	Lo.No.
F ACP P.C.B.			
L2	A-2	F1	B-2
CN3	A-3	F2	C-2
CN4	C-3	F3	C-2
C5	A-3	JK3	A-2
C6	B-2	SW1	B-2

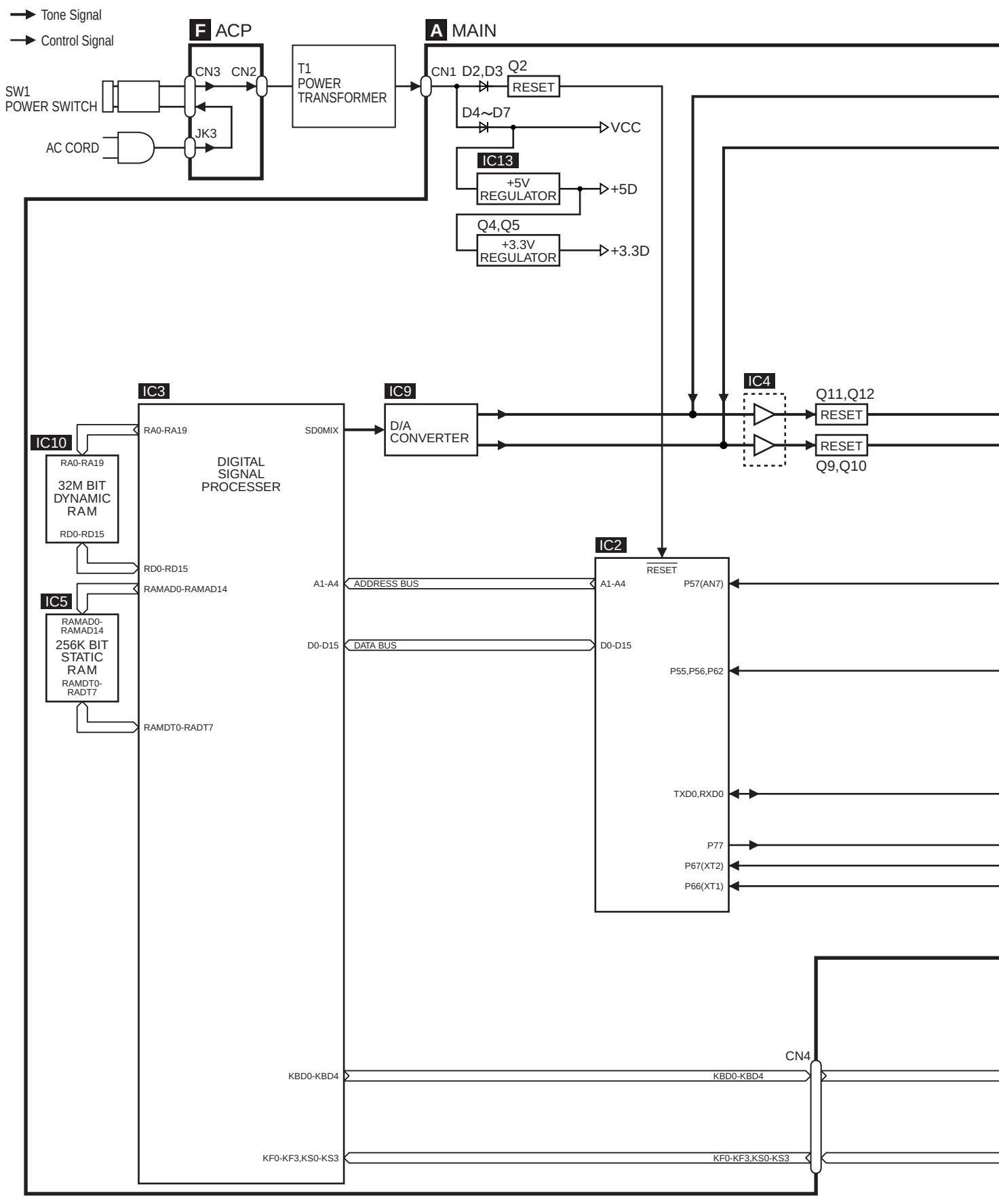
G PKB P.C.B.

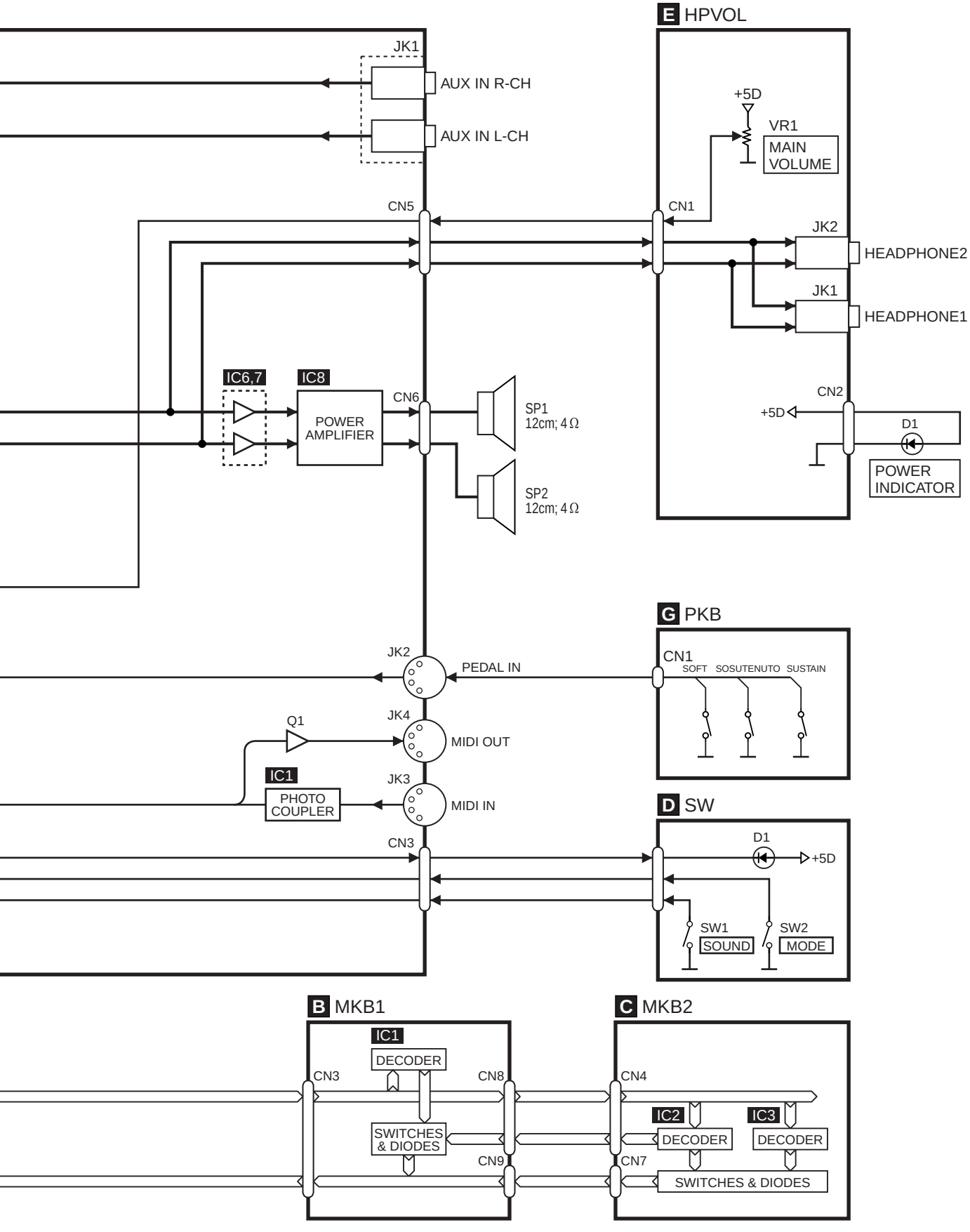


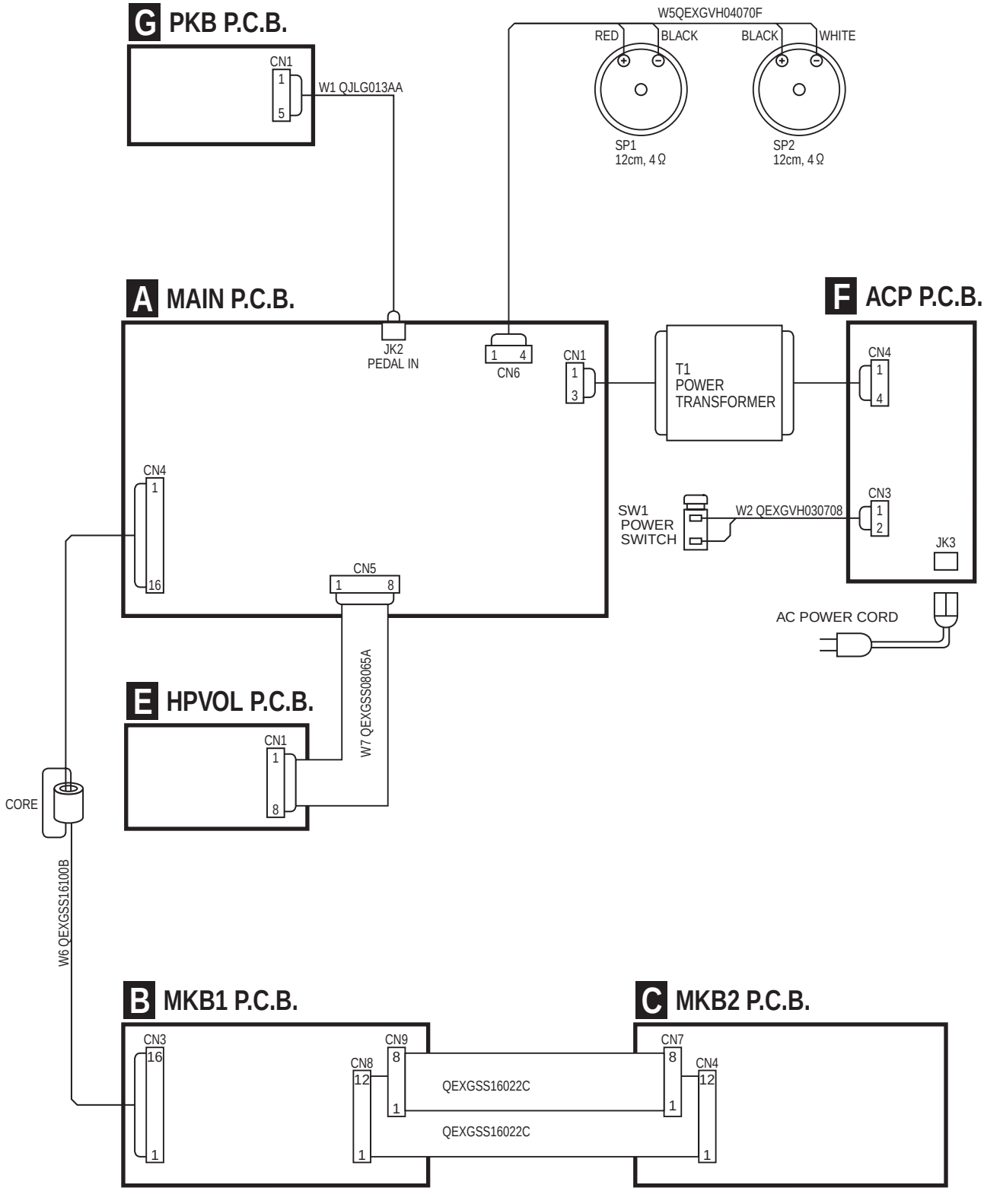
(SXPG218231)

ELECTRICAL PARTS LOCATION

Ref.No.	Lo.No.	Ref.No.	Lo.No.	Ref.No.	Lo.No.	Ref.No.	Lo.No.
G PKB P.C.B.							
CN1	D-1	R10	D-2	SW2	D-3	JR2	E-2
R8	B-3	C1	D-2	SW3	B-3	JR3	E-2
R9	E-2	SW1	E-3	JR1	D-2		

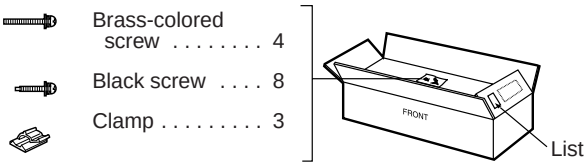

Tone Signal
Control Signal
F ACP
A MAIN
SW1
POWER SWITCH
AC CORD
CN3
CN2
JK3
T1
POWER
TRANSFORMER
CN1
D2,D3
Q2
RESET
D4～D7
VCC
IC13
+5V
REGULATOR
+5D
Q4,Q5
+3.3V
REGULATOR
+3.3D
IC4
Q11,Q12
RESET
RESET
Q9,Q10
IC3
IC9
IC10
RA0-RA19
SD0MIX
D/A
CONVERTER
RA0-RA19
32M BIT
DYNAMIC
RAM
RD0-RD15
DIGITAL
SIGNAL
PROCESSER
RD0-RD15
IC2
RESET
RAMAD0-RAMAD14
A1-A4
ADDRESS BUS
A1-A4
P57(AN7)
IC5
RAMAD0-
RAMAD14
256K BIT
STATIC
RAM
RAMDT0-
RADT7
D0-D15
DATA BUS
D0-D15
P55,P56,P62
RAMDT0-RADT7
TXD0,RXD0
P77
P67(XT2)
P66(XT1)
CN4
KBD0-KBD4
KBD0-KBD4
KF0-KF3,KS0-KS3
KF0-KF3,KS0-KS3


E HPVOL
JK1
AUX IN R-CH
AUX IN L-CH
+5D
VR1
MAIN VOLUME
CN5
CN1
JK2
HEADPHONE2
JK1
HEADPHONE1
IC6,7
IC8
POWER AMPLIFIER
CN6
SP1
12cm; 4Ω
SP2
12cm; 4Ω
CN2
+5D
D1
POWER INDICATOR
G PKB
JK2
PEDAL IN
CN1
SOFT SOSUTENUTO SUSTAIN
Q1
JK4
MIDI OUT
IC1
PHOTO COUPLER
JK3
MIDI IN
D SW
CN3
D1
+5D
SW1
SOUND
SW2
MODE
B MKB1
IC1
DECODER
CN3
CN8
SWITCHES & DIODES
CN9
C MKB2
CN4
IC2
DECODER
IC3
DECODER
CN7
SWITCHES & DIODES

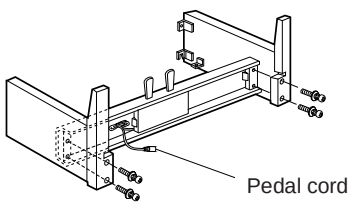

G PKB P.C.B.
CN1
1
5
W1 QJLG013AA
W5QEXGVH04070F
RED
BLACK
BLACK
WHITE
SP1
12cm, 4Ω
SP2
12cm, 4Ω
A MAIN P.C.B.
JK2
PEDAL IN
1 4
CN6
CN1
1
3
T1
POWER
TRANSFORMER
F ACP P.C.B.
CN4
1
4
CN4
1
16
CN5
1 8
SW1
POWER
SWITCH
W2 QEXGVH030708
CN3
1
2
JK3
AC POWER CORD
E HPVOL P.C.B.
CN1
1
8
W7 QEXGSS08065A
CORE
W6 QEXGSS16100B
B MKB1 P.C.B.
C MKB2 P.C.B.
CN3
16
1
CN9
8
1
CN8
12
1
QEXGSS16022C
QEXGSS16022C
CN7
8
1
CN4
12
1

Follow the steps below to assemble your Technics piano. Make sure you are using the correct parts and that they are in the correct direction.
- At least 2 people are required for assembly.
- To disassemble the piano, reverse the procedure.

1. Remove the packing and take the parts out of the carton. Confirm that all the parts on the printed list are present.



2. Affix the right and left side planks to the pedal box.

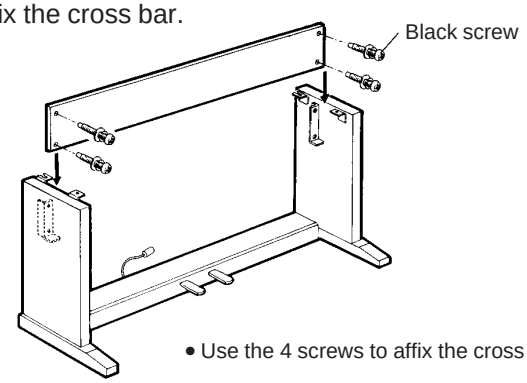


(1) Use the 4 brass-colored screws to secure the planks.
(2) Be sure to insert the screws straight.
- If a screw is inserted crookedly, it may be damaged.

(3) Insert each of the 4 screws partway, lightly securing each one little by little. After confirming that the screws are all correctly inserted, tighten each one securely.
- If each screw is tightened securely before all the screws are inserted, the last screw may be very difficult to insert.

(4) Loosen the pedal cord, stowed on the inner side of the pedal box, and extend it.

3. Affix the cross bar.



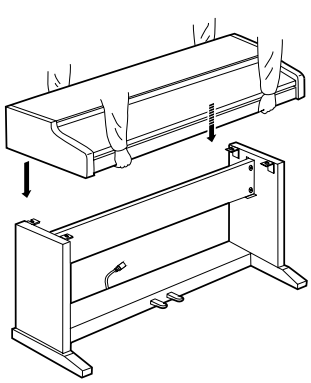
- Use the 4 screws to affix the cross bar.

4. Place the piano body on the stand.

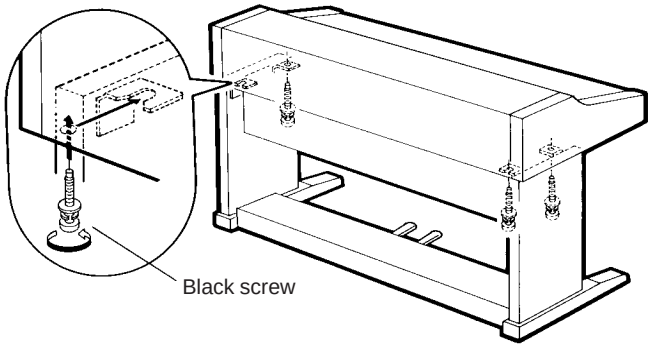
WARNING:
Avoid pinching your fingers.

Note 1
Holding the piano body at least 10 cm in from the edge, place it on the stand so that it does not fall off.

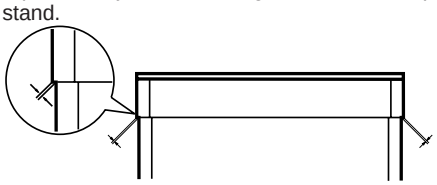
Note 2
If the piano body is placed too far to the right or left, or to the front or back, it will become unstable.



5. Secure the piano body to the stand.

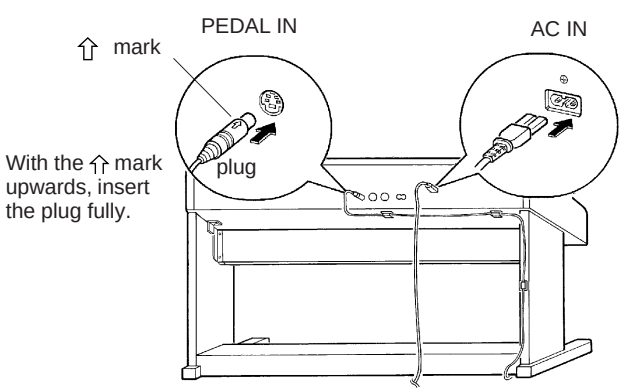


(1) Insert 2 black screws in the 2 rear screw holes on the underside of the piano body, and turn each screw 5 or 6 times. Push the piano body forward so that the screws are fully inserted in the cutout of the metal piece on either side plank. (This enables you to easily position the piano body on the stand.)
(2) Adjust the piano body so that the right and left sides project evenly over the stand.



(3) Positioning the piano body on the stand, confirm that the 4 balck screws can easily be inserted.
(4) Tighten the 4 screws securely.

6. Connect the pedal cord and power cord to the terminals.



(1) Plug the pedal cord and power cord into the terminals on the rear of the piano.
(2) Remove the backing from the clamps and affix them as shown in the figure. Secure the pedal cord to the clamps.

Confirm: After assembling, check these points.
- Are any parts left over?
  → Check the assembly procedure again.
- Does the piano rattle when it is rocked?
  → Make sure all the screws are securely tightened.
- Is the power cord firmly inserted?
  → Check again.
- Is the plug of the pedal cord inserted as far into the connector terminal as it will go?
  → If it is not completely inserted, the sustain and other pedal functions may not work.

■ When the piano has been moved or transported, retighten the screws securely.

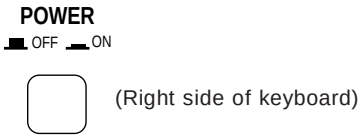
Getting Started

1. Plug the power cord into the wall socket.

2. Install the music stand (included).
   - Insert it into the two holes.

3. Open the keyboard cover.
   - Open and close the cover gently.

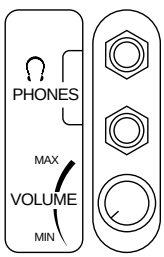
4. Turn on the **POWER** button.

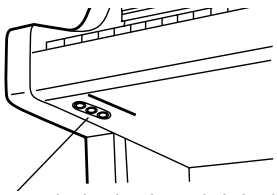


(Right side of keyboard)

   - The indicator lamp at the left on the front of the piano lights up when power is on.
   - You can now play the keyboard for a piano performance.

5. Adjust the loudness with the **VOLUME** control.

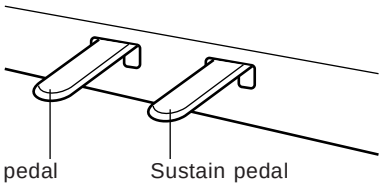




(Beneath the keyboard, left side)

   - One or two headphones sets can be connected to the **PHONES** jacks. (The speakers are automatically switched off.)

Pedals

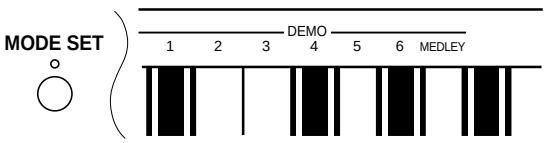


Sustain pedal
The sound fades gradually after the keys are released.

Soft pedal
The tones are softened, and the volume is slightly lower.

Listen to the demonstration.

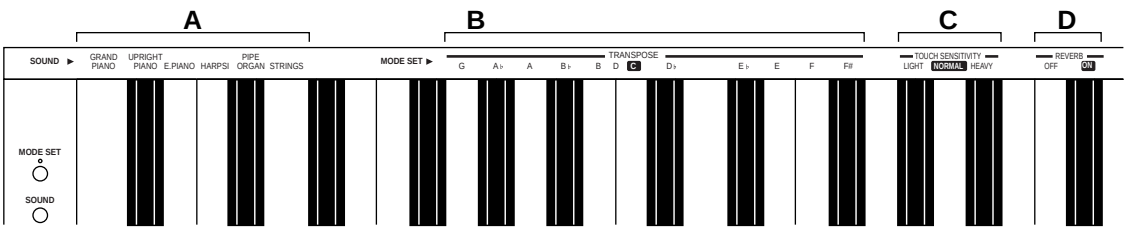
⇒While pressing the **MODE SET** button (to the left of keyboard), press one of the keyboard keys that corresponds to an indicated **DEMO** number.



1: GRAND PIANO demonstration
2: UPRIGHT PIANO demonstration
3: E.PIANO demonstration
4: HARPSI demonstration
5: PIPE ORGAN demonstration
6: STRINGS demonstration
MEDLEY: A medley of all the tunes

- To discontinue the demonstration while it is playing, press the **MODE SET** button.
- The **MEDLEY** will repeat continuously until the **MODE SET** button is pressed.
- The indicator for the **MODE SET** button flashes during the demonstration performance.

Operation



A. Change the sound

⇒While pressing the **SOUND** button, press one of the keyboard keys that corresponds to an indicated **SOUND** name.

- Alternatively, each time you press the **SOUND** button, the sound changes to the one indicated to the right of the sound that is currently active. (If **STRINGS** is the currently active sound, the sound will change to **GRAND PIANO**.)
- In the initialized state (the settings in effect when the instrument is turned on), the **GRAND PIANO** sound is selected.

■ Mix two sounds

⇒To mix two different sounds, while pressing the **SOUND** button, press the two keys for the desired sounds.

- Both sounds are produced when you play a key.

B. Change the key (pitch)

⇒While pressing the **MODE SET** button, press the keyboard key to specify the key you wish to change to (**TRANSPOSE**). The pitch of the instrument changes in semitone increments.

- When a keyboard key is pressed, the **MODE SET** indicator flashes.
- In the initialized state, the key is C.

C. Keyboard touch

⇒While pressing the **MODE SET** button, press the keyboard key that corresponds to the desired **TOUCH SENSITIVITY** (**LIGHT/ NORMAL/HEAVY**).

- When a keyboard key is pressed, the **MODE SET** indicator flashes.
- In the initialized state, the setting is **NORMAL**.

D. Add reverb

⇒While pressing the **MODE SET** button, press the keyboard key that corresponds to **REVERB OFF** or **ON**.

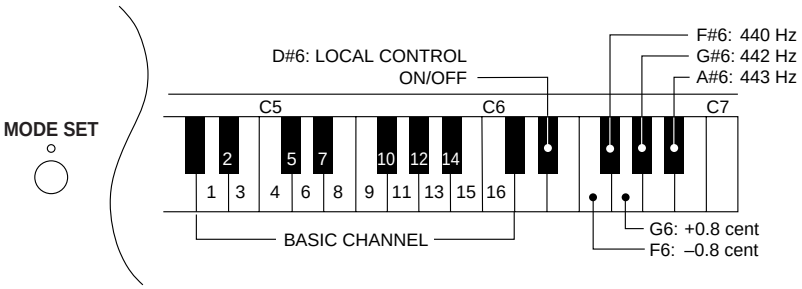
- When the **MODE SET** button is pressed, its indicator flashes.
- In the initialized state, the setting is **ON**, and reverb is added to the sound.

Mode Setting

While the **MODE SET** button is depressed, the keys indicated in the illustration below are used for setting the functions.

⇒Keep the **MODE SET** button depressed while following the procedures below.

- When the **MODE SET** button is released, the function-setting mode is canceled, and the keys return to the performance mode.
- If the left pedal is depressed during function-setting, even if you release the **MODE SET** button, the function-setting mode remains active.
- During function-setting, the indicator for the **MODE SET** button is lit. When you press a key to select a setting, the indicator flashes and a confirming beep is heard.
- All settings revert to their factory-preset settings when the power is turned off.



Tuning (adjust the pitch)

You can adjust the pitch of this instrument when you are playing together with other instruments.

⇒Press F#6 to set the pitch to 440 Hz (initial setting).

⇒Press G#6 to set the pitch to 442 Hz.

⇒Press A#6 to set the pitch to 443 Hz.

■ Fine tuning

⇒Each time G6 is pressed, the pitch is raised by 0.8 cent.

⇒Each time F6 is pressed, the pitch is lowered by 0.8 cent.

- If you attempt to raise the pitch above 453 Hz or lower it below 427.3 Hz, the confirming beep does not sound even when the key is pressed.
- You can hold the G6 or F6 key down to change the pitch quickly. In this case, the **MODE SET** indicator changes from flashing to lit when the highest or lowest pitch is reached.

Basic channel

Assign the MIDI basic channel.

⇒Press the key corresponding to the basic channel number. (Refer to the illustration above.)

- The default setting is channel 1.

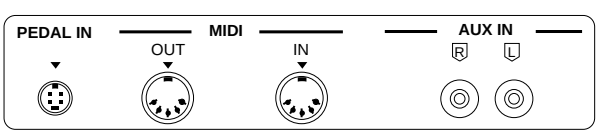
Local control

This setting is for when this instrument is used as the master keyboard.

⇒The local control is switched between on (default) and off each time the D#6 key is pressed.

- When the local control is set to off, the signals generated by the keys and pedals of this instrument are not sent to its sound generator, but are handled only as MIDI output (this instrument generates no sound).

Rear panel terminals



PEDAL IN
Connect the pedal cord from the included stand to this terminal.

AUX IN
Other instrument's Line Out can be connected to this terminal.

MIDI

IN
MIDI data from another instrument is received through this terminal.

OUT
MIDI data from this instrument is transmitted to another instrument through this terminal.

- For these connections, use a commercially available MIDI cable.